

## **SAFETY DATA SHEET**

### **1. Chemical Product and Company Identification**

**Product Identifiers:**

|                         |   |                                                   |
|-------------------------|---|---------------------------------------------------|
| <b>Product Name</b>     | : | 6-Sec-Butyl Quinoline                             |
| <b>Synonyms</b>         | : | Iso Butyl Quinolone; Pyralone; 6-Butyl Quinolone; |
| <b>CAS No.</b>          | : | 65442-31-1                                        |
| <b>Molecular Weight</b> | : | 185.26 g/mol                                      |
| <b>Chemical Formula</b> | : | C <sub>13</sub> H <sub>15</sub> N                 |
| <b>EC number</b>        | : | 265-777-2                                         |

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Industrial uses. Formulation [mixing] of preparations

**Supplier :**

**COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED**

### **2. Hazards Identification**

**Classification of the substance or mixture**

**Classification according to the Regulation (EC) No 1272/2008.**

Acute toxicity (oral), Hazard Category 4; H302.

**Label elements**

Número CE: 265-777-2

6(8)-Sec-butylquinoline

Signal word: Warning

Hazard Statements:

H302: Harmful if swallowed.

Precautionary Statements:

P264: Wash hands thoroughly after handling.

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

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

P330: Rinse mouth.

P501: Dispose of contents/container to an approved waste disposal plant.

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### Other hazards

Not available

### 3. Composition and Information on Ingredients

#### Substances

| Chemical name          | CE Number/ Registration Number | CAS number | Concentration |
|------------------------|--------------------------------|------------|---------------|
| 6--sec-butyl quinoline | 265-777-2                      | 65442-31-1 | 100 %         |

### 4. First Aid Measures

#### Description of first aid measures

|                                                            |   |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                                      | : | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.                                                                              |
| <b>If inhaled</b>                                          | : | If breathing is difficult, remove fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.                                           |
| <b>In case of skin contact</b>                             | : | Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.                                                                              |
| <b>In case of eye contact</b>                              | : | Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.                                                                      |
| <b>If swallowed</b>                                        | : | Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. |
| <b>Most important symptoms/effects, acute and delayed.</b> | : | Direct contact with the eyes may cause temporary irritation.                                                                                                                                                                                          |

### 5. Fire and Explosion Data

#### Extinguishing media

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam

**Unsuitable extinguishing media:** Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance or mixture:** Fire may produce irritating, corrosive and/or toxic gases.

**Special protective equipment and precautions for firefighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.

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**Fire-fighting equipment/instructions:** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

**Specific methods:** Use water spray to cool unopened containers.

**General fire hazards:** Static charges generated by emptying package in or near flammable vapor may cause flash fire.

### **6. Accidental Release Measures**

#### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### **Methods and materials for containment and cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

#### **Reference to other sections**

For disposal see section 13.

### **7. Handling and Storage**

#### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

For precautions see section 2.

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

Store in Ambient temperature. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store under inert gas. Air and light sensitive.

Storage class (TRGS 510): Flammable liquids

#### **Specific end use(s)**

Apart from the uses mentioned in section 1. No other specific uses are stipulated.

#### **Training Hints:**

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Make sure, that workers are aware of the danger and risk according to this safety data sheet

### **8. Exposure Controls/Personal Protection**

#### **Control parameters**

##### **Exposure controls.**

##### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

##### **Body Protection**

Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### **9. Physical and Chemical Properties**

|                             |   |                                                                         |
|-----------------------------|---|-------------------------------------------------------------------------|
| a. Physical State           | : | Liquid                                                                  |
| b. Appearance               | : | clear colorless to pale yellow clear liquid free from extraneous matter |
| c. Odour                    | : | Woody, Green                                                            |
| d. Refractive Index at 25°C | : | 1.5740 – 1.5840                                                         |
| e. Flash point              | : | >100.00° C (>212.00 ° F)                                                |
| f. Specific Gravity at 25°C | : | 0.9981 - 1.0181                                                         |
| g. Boiling Point            | : | 288.30 °C. @ 760.mm                                                     |
| h. Vapor Pressure           | : | 0.001300 mm/20.00°C.                                                    |

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|                      |   |                                   |
|----------------------|---|-----------------------------------|
| i. Soluble in water  | : | Immiscible                        |
| j. Molecular formula | : | C <sub>13</sub> H <sub>15</sub> N |
| k. Molecular Weight  | : | 185.26 g/mol                      |

### 10. Stability and Reactivity

**Reactivity**

No data available

**Chemical stability**

Stable under Ambient conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid.**

Heat, flames, and sparks.

**Incompatible materials**

Oxidizing agents, Strong acids

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5.

### 11. Toxicological Information

**Information on toxicological effects****Acute toxicity**

**Acute oral toxicity** : LD50 rat Dose: 1 020 mg/kg

**Acute inhalation toxicity:** This information is not available.

**Acute dermal toxicity** : LD50 rabbit Dose : > 5 000 mg/kg This information is not available.

**Acute toxicity (other routes of administration)** : No data is available on the product itself.

**Skin corrosion/irritation Skin irritation:** No data is available on the product itself.

**Serious eye damage/eye irritation**

**Eye irritation:** Species: rabbit Very slightly irritating

**Respiratory or skin sensitization**

**Sensitization:** HRIPT Human Result: Not sensitizing at 1 % in Dimethyl phthalate

**Germ cell mutagenicity**

**Genotoxicity in vitro:** Ame's test negative Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)

**Carcinogenicity**

**Carcinogenicity:** No data is available on the product itself.

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**Reproductive toxicity**

**Reproductive toxicity:** No data is available on the product itself.

**Target Organ Systemic Toxicant - Single exposure:** No data is available on the product itself.

**Target Organ Systemic Toxicant - Repeated exposure:** No data is available on the product itself.

**Aspiration hazard**

**Aspiration toxicity:** No data is available on the product itself.

**Phototoxicity:** No data is available on the product itself.

**Further information:** no data available

### **12. Ecological information**

Toxicity to fish: no data available

Toxicity to daphnia and other aquatic invertebrates: no data available

Toxicity to algae: no data available

M-Factor 2,6-bis(1,1-dimethylethyl)-4methylphenol: 1 Toxicity to bacteria: no data available

Toxicity to fish (Chronic toxicity): no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : no data available

Acute aquatic toxicity: no data available

Chronic aquatic toxicity: no data available

Toxicity Data on Soil: no data available

Other organisms relevant to the environment: no data available

### **13. Disposal considerations**

**Disposal instructions:** Do not discharge drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemicals or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** Not established.

**Waste from residues / unused products:**

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### **14. Transport information**

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|                     |   |                                   |
|---------------------|---|-----------------------------------|
| <b>ADN</b>          | : | Not regulated as dangerous goods. |
| <b>ADR</b>          | : | Not regulated as dangerous goods. |
| <b>RID</b>          | : | Not regulated as dangerous goods. |
| <b>DOT BULK</b>     | : | Not regulated as dangerous goods. |
| <b>DOT NON-BULK</b> | : | Not regulated as dangerous goods. |
| <b>IATA</b>         | : | Not regulated as dangerous goods. |
| <b>IMDG</b>         | : | Not regulated as dangerous goods. |

### **15.Regulatory information**

**Other Regulations:** OSHA: Hazardous of Hazard

communication standard.

**OSCL (EEC):**

R21/22 – Harmful in contact with skin and if swallowed.

R38 – Irritating to skin.

R41 – Risk of serious damage to eyes.

### **16.Other information**

Scimplify cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage, and disposal of the product, and to assume liability for loss, injury, damage, or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is accurate to the best of Scimplify's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, considering the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.