

# Safety Data Sheet

Release 1.1  
Revision 09/19/2019  
Date of issue 09/19/2019

## 1 Identification of the substance

### Identification of the substance

Identification of the substance 6-Cyanoindole

Additional identification Indole-6-carbonitrile

Biosynth catalog no. C-8850

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### Use of the substance/preparation

Identified uses other biochemicals

Restriction on use not for food or drug use, for laboratory use only

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### Emergency Number

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## 2 Hazards identification

### Possible Hazards (Summary)

Skin serious irritation (Category 2)

Eyes serious irritation (Category 2)

Ingestion acute toxicity (Category 3)

Target Organs (single exposure), STOT SE3

### GHS Labeling

Regulatory List  
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol  
GHS06 skull and crossbones

Pictogram



GHS07 exclamation mark

*Pictogram**Signal Word*

Danger                      Danger

*Hazard Statement*

H301                      Toxic if swallowed.  
H315                      Causes skin irritation.  
H319                      Causes serious eye irritation.  
H335                      May cause respiratory irritation.

*Precautionary Statement*

P264                      Wash ... thoroughly after handling.  
P270                      Do no eat, drink or smoke when using this product.  
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.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rin

*Additional Information*

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

### 3 Composition/information on ingredients

**Substance related information**

*Substance name*                      6-Cyanoindole  
*Synonymes*                              Indole-6-carbonitrile  
*Cas No.*                                      [15861-36-6]  
*Formula*                                      C<sub>9</sub>H<sub>6</sub>N<sub>2</sub>

### 4 First aid measures

**First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**

Wash out mouth with water provided person is conscious. Call a physician.

**First Aid: Inhalation**

Remove casualty to fresh air and keep warm and atrest. If breathing is irregular or stopped, administerartificial respiration. Call a physician.

**Hints for Physician: Treatment**

Treat symptomatically.

### 5 Firefighting measures

**Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

**Hazards During Fire-Fighting**

toxic fumes

**Protective Equipment for Fire-Fighting**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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**6 Accidental release measures****Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**Methods for Cleaning or Taking Up**

not available

**Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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**7 Handling and storage****Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**Storage****Storage temperature**

store at 5°C

**Storage condition**

close container well, protect from light

**Storage Requirements**

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

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**8 Exposure controls/personal protection****Exposure controls****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

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**Personal Protective Equipment****Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties****Form**

powder

**Phase Transition Solid/Liquid**

129 °C

**Phase Transition Liquid/Gas**

350 °C

**Molar Mass**

142.16 g/mol

**Flash Point**

121.9 °C

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**10 Stability and reactivity****Conditions to Avoid**

incompatible materials, light, air

**Substances to Avoid**

strong acids, strong oxidizers

**Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), hydrogen cyanide (hydrocyanic acid), carbon monoxide

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**11 Toxicological information****Other Relevant Toxicity Information**

We are not aware of any toxicology data.

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**12 Ecological Information****Biodegradation**

no data available

**Bioaccumulation**

no data available

**Distribution in Environment**

no data available

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**13 Disposal considerations**

**Advice on Disposal and Packaging***Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and, Dispose of waste according to laws applicable.

*Advice on Packaging*

not available

**14 Transport information****Road Transport (ADR/GGVS)**

|                             |  |
|-----------------------------|--|
| <i>UN No.</i>               | 3439   |
| <i>Class(es)</i>            | 6.1  |
| <i>Packaging group</i>      | III  |
| <i>Proper Shipping Name</i> | Nitriles, solid, toxic, n.o.s. (6-Cyanoindole) |

**Air Transport (IATA)**

|                             |  |
|-----------------------------|--|
| <i>UN No.</i>               | 3439   |
| <i>Class(es)</i>            | 6.1  |
| <i>Packaging group</i>      | III  |
| <i>Proper Shipping Name</i> | Nitriles, solid, toxic, n.o.s. (6-Cyanoindole) |

**15 Other regulations****Other Regulations***Regulatory List*

EINECS, TCSI

**16 Additional information****GHS Labeling***Regulatory List*

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