

# MATERIAL SAFETY DATA SHEET

Date: 2015-03-17

1(3)

## 1. Name of product and company

Chemical name: 2-Cyanobenzimidazole (Benzimidazole-2-carbonitrile)  
CAS-nr: 6868-37-7

Uses: Laboratory chemical used as intermediate in organic synthesis

Supplier: Ramidus AB

Ideon

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## 2. Hazards identification

Risk classification

Toxicity (Oral) (4)

Irritation on the skin (2)

Eye irritation (2)

Piktogram



H 302 Harmful if swallowed

H 315 Causes skin irritation.

H 319 Causes serious eye irritation.

H 335 May cause irritation to the respiratory tract.

Safety measures

P 270 Do not eat, drink or smoke when using this product.

P 261 Avoid breathing dust.

P 262 Do not get in eyes, on skin or on clothing.

P 264 Wash hands thoroughly after handling.

P 271 Use only in a well-ventilated area.

P 273 Avoid release to the environment.

P 280 Wear protective gloves / protective clothing, eye protection.

P 301+330 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/  
+ 312 physician if you feel unwell.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P332+313 If skin irritation occurs, get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

2(3)

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in  
+ 312 a position comfortable for breathing. Call a POISON CENTER or  
doctor/physician if you feel unwell.

P305+351 IF IN EYES: Rinse cautiously with water for several minutes.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 If eye irritation persists: Get medical advice/attention.

P 501 Dispose of contents/container to hazardous or special waste-collection point.

### **3. Composition**

3-Cyanobenzimidazole  
CAS-nr: 6868-37-7 97 %

### **4. First aid measures**

In case of contact, immediately flush eyes with copious amounts of water for several minutes. In case of contact, immediately wash skin with soap and plenty of water. If inhaled remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

### **5. Fire fighting measures**

Extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Unusual hazards: Emit toxic fumes of nitric oxides.

### **6. Accidental release measures**

Wear respirator, chemical safety goggles and rubber gloves. Sweep up, place in a bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

### **7. Handling and storage**

All handling of dangerous chemicals should be performed in a hood or well ventilated area. Store in a tightly closed container in a dry, dark place.

### **8. Exposure control / personal protection**

Work in a well ventilated area. Use chemical safety goggles and compatible chemical resistant gloves. Use suitable respirator. Avoid contact with eyes, skin and clothing. Avoid prolonged and repeated exposure. Wash thoroughly after handling.

3(3)

### **9. Physical and chemical properties**

Grey solid.

### **10. Stability and reactivity**

Incompatible with strong oxidizing or reducing agents.

### **11. Toxicological information**

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

## **12. Ecotoxicological effects.**

Not known.

## **13. Disposal considerations**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and a scrubber. Observe all federal, state and local environmental regulations.

## **14. Transport information**

IATA:

UN nr: 2811, Toxic solid, organic, n.o.s.

Packing group: III.

IMDG:

UN nr: 2811, Toxic solid, organic, n.o.s.

Packing group: III.

ADR/RID:

Hazard class: 6 III

## **15. Regulatory information**

This MSDS is set up according to EG regulation Nr 1907/2006.

## **16. Other information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.