

06013
60131

1,2-IND

Safety data sheet

Date of issue: August 30th, 2004

1. Identification of the substance/preparation and of the company

Identification of the product:

1,2-IND, article number B-78100 (1 gram), B-78110 (10 gram), B-78115 (100 gram)

Supplier: BVDA International b.v., Postbus 2323, 2002 CH HAARLEM, the Netherlands
Telephone: +31-23-5424708 Fax: +31-23-5322358 e-mail: info@bvda.nl

2. Composition/information on ingredients

	CAS-Number	% w/w	Symbol	R-phrases	EC-Index-No.
1,2-Indanedione	16214-27-0	>99	Xi	36/37/38	--

Synonyms: 1,2-Indandione, 1,2-IND

Mw: 146.15 g/mol

Molecular formula: C₉H₆O₂

3. Hazard identification

Irritating to eyes, respiratory system and skin.

Additional labelling: Careful, not fully tested compound.

4. First aid measures

After inhalation: Fresh air, in case of respiratory problems seek medical advice.

After skin contact: Wash off with plenty of water, soap or other suitable cleaning agents. Remove contaminated clothing.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist.

After ingestion: Make victim drink plenty of water, induce vomiting. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media: CO₂ (carbon dioxide), water spray, dry chemical powder, or appropriate foam.

Special risk: Combustible. Ambient fire may liberate hazardous vapours.

Special protective equipment for fire fighting: Do not stay in dangerous zone without self-contained breathing apparatus.

Other information: Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

Person-related precautionary measures: Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures: Do not allow to enter sewerage system.

Procedures for cleaning / absorption: Take up dry and forward for disposal. Clean up affected area.

7. Handling and storage

Handling: Protect from light.

Storage: Keep container tightly closed. Dry. Protected from light. At +15° C to +25° C.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: Required when dusts are generated, filter P2.
 Eye protection: Required (wear tight fitting safety goggles).
 Hand protection: Required (Glove material: Nitrile rubber, layer thickness: 0.11 mm, breakthrough time: >480 Min.)
 Industrial hygiene: Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with the substance.

9. Physical and chemical properties

Form: Crystalline solid
 Colour: Dark-yellow to orange-brown
 Odour: Odourless
 Melting temperature: 97-114° C
 Boiling temperature: Not available
 Ignition temperature: Not available
 Flash point: Not available
 Explosion limits: Not available
 Density: Not available
 Solubility in water (25° C): Limited solubility
 Thermal decomposition: Not available

10. Stability and reactivity

Stability: Stable
Conditions to be avoided: Strong heating. Action of light (decomposition).
Substances to avoid: Strong oxidizing agents, light, strong bases.
Hazardous decomposition products: No information available.

11. Toxicological information

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Further toxicological information:
 After inhalation: Irritating to mucous membranes and upper respiratory tract.
 After skin contact: Irritation.
 After eye contact: Irritation.
 Multiple routes: May be harmful by inhalation, ingestion, or skin absorption.

Further data: Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Ecotoxic effects: Quantitative data on the ecological effect of this product are not available.
 Further ecologic data: Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Product:
 There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise you on how to dispose of special waste.

Packaging:
 Disposal in compliance with federal, state and local environmental regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information

RID/ADR: Not classified as hazardous for road transport.

1,2-IND

IMDG: Not classified as hazardous for sea transport
IATA: Not classified as hazardous for air transport

15. Regulatory information

Labelling according to EC Directives:

Symbol: Xi,

Description: Irritating

R/S-phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

16. Other information

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.