

# Indole (cas 120-72-9) MSDS

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers Product name

rioddornamo		Indole
Product Number Brand CAS-No.	:	l3408 120-72-9

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

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Identified uses : Laboratory chemicals, Manufacture of substances

#### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] Acute toxicity, Oral (Category 4) Acute toxicity, Dermal (Category 3) Skin irritation (Category 2) Serious eye damage (Category 1) Specific target organ toxicity - single exposure (Category 3) Acute aquatic toxicity (Category 1)

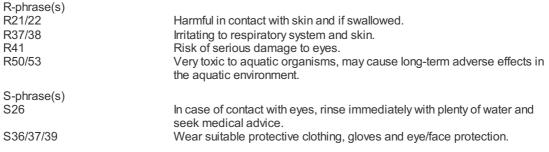
#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful in contact with skin and if swallowed. Irritating to respiratory system and skin. Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2 Label elements

Labelling according Re	egulation (EC) No 1272/2008 [CLP]
Pictogram	A LANK

Signal word Danger Hazard statement(s) H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. -13408 H400 Very toxic to aquatic life. Precautionary statement(s) P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or doctor/ physician if you feel unwell. Supplemental Hazard none Statements According to European Directive 67/548/EEC as amended. Hazard symbol(s)



S60 S61 This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

# 2.3 Other hazards Stench.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms	:	1H-Benzo[b]pyrrole	
Formula Molecular Weight	:	C8H7N 117,15 g/mol	
Component			Concentration
Indole CAS-No. EC-No.		120-72-9 204-420-7	-

#### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## - 13408 If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- **4.2** Most important symptoms and effects, both acute and delayed Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- 4.3 Indication of any immediate medical attention and special treatment needed no data available

#### 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx)

# 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

#### 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### 6.2 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.

- 6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.
- 7. HANDLING AND STORAGE
- 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Air and light sensitive.

# 7.3 Specific end uses

no data available

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

### Components with workplace control parameters

#### 8.2 Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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# 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Complete suit protecting against chemicals, 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 a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of 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).

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

a)	Appearance	Form: flakes Colour: light brown
b)	Odour	no data available
c)	Odour Threshold	no data available
d)	рН	no data available
e)	Melting point/freezing point	Melting point/range: 51 - 54 °C - lit.
f)	Initial boiling point and boiling range	253 - 254 °C - lit.
g)	Flash point	121 °C - closed cup
h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lower flammability or	no data available
	explosive limits	
k)	explosive limits Vapour pressure	no data available
k) I)		no data available no data available
I)	Vapour pressure	
I)	Vapour pressure Vapour density	no data available
l) m)	Vapour pressure Vapour density Relative density	no data available no data available

temperature

- Decomposition no data available q) temperature
- Viscosity no data available r)
- I3408
  - no data available Explosive properties s)
  - Oxidizing properties no data available t)
- Other safety information 9.2 no data available

#### 10. STABILITY AND REACTIVITY

- 10.1 Reactivity no data available
- 10.2 Chemical stability no data available
- 10.3 Possibility of hazardous reactions no data available
- 10.4 Conditions to avoid Air Light.
- 10.5 Incompatible materials Strong oxidizing agents, iron and iron salts.
- 10.6 Hazardous decomposition products Other decomposition products - no data available

#### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity LD50 Oral - rat - 1.000 mg/kg

LD50 Dermal - rabbit - 790 mg/kg

Skin corrosion/irritation Serious eye damage/eye irritation Eyes - rabbit - Severe eye irritation - 24 h

Respiratory or skin sensitization no data available

Germ cell mutagenicity no data available

#### Carcinogenicity

Carcinogenicity - mouse - Subcutaneous Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. Leukaemia

Carcinogenicity - mouse - Subcutaneous Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Tumorigenic:Tumor types after systemic administration not seen spontaneously.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive toxicity**

no data available

Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard no data available

**-** 13408 Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Toxic if absorbed through skin. Causes skin irritation.
Eyes	Causes eye burns.

#### Signs and Symptoms of Exposure

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

Additional Information RTECS: NL2450000

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Toxicity to daphnia and LC50 - Daphnia magna (Water flea) - 1 mg/l - 48 h other aquatic invertebrates

Toxicity to algae Growth inhibition EC100 - Scenedesmus acuminatus - > 10 mg/l - 96 h

- **12.2** Persistence and degradability no data available
- **12.3 Bioaccumulative potential** no data available
- **12.4** Mobility in soil no data available
- 12.5 Results of PBT and vPvB assessment no data available
- **12.6** Other adverse effects Very toxic to aquatic life.

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

#### 14. TRANSPORT INFORMATION

#### 14.1 UN number

	ADR/RID: 2811		IMDG: 2811	IATA: 2811
14.2		Deer shipping name ID: TOXIC SOLID, ORGANIC, N.O.S. (Indole) TOXIC SOLID, ORGANIC, N.O.S. (Indole) Toxic solid, organic, n.o.s. (Indole)		
14.3	Transport ADR/RID: 6	<b>hazard class(es)</b> 5.1	IMDG: 6.1	IATA: 6.1
14.4	Packaging group ADR/RID: III		IMDG: III	IATA: III
14.5	Environme ADR/RID: r	ental hazards	IMDG Marine pollutant: no	IATA: no

# **14.6** Special precautions for user no data available

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

#### **15.2 Chemical Safety Assessment** no data available

# 16. OTHER INFORMATION

#### **Further 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. The information this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. guidechem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.