

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Hydroxynaphthol blue

SDS-number : 000000021786

Type of product : Substance

Chemical name : Trisodium 3-hydroxy-4-[(2-hydroxy-4-sulphonato-1-naphthyl)azo]naphthalene-2,7-disulphonate

CAS-No. : 63451-35-4

REACH Registration Number : no data available

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

Use of the Substance/Mixture : Laboratory chemicals

Uses advised against : none

#### 1.3. Details of the supplier of the safety data sheet

|         |   |  |
|---------|---|--|
| Company | : Honeywell International Inc.<br>115 Tabor Road<br>07950-2546 Morris Plains<br>USA | Honeywell International, Inc.<br>115 Tabor Road<br>Morris Plains, NJ 07950-2546<br>USA |
|---------|---|--|

Telephone :  
For further information, please contact: : [SafetyDataSheet@Honeywell.com](mailto:SafetyDataSheet@Honeywell.com)

#### 1.4. Emergency telephone number

Emergency telephone number : +1-703-527-3887 (ChemTrec-Transport)  
+1-303-389-1414 (Medical)  
Country based Poison : see chapter 15.1

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

Control Center

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

#### 2.2. Label elements

##### REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

#### 2.3. Other hazards

Results of PBT and vPvB assessment, see chapter 12.5.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

| Chemical name  | CAS-No.<br>Index-No.<br>REACH Registration<br>Number<br>EC-No. | Classification 1272/2008 | Concentration | Remarks |
|--|--|--------------------------|---------------|---------|
| Trisodium 3-hydroxy-4-<br>[(2-hydroxy-4-sulphonato-<br>1-<br>naphthyl)azo]naphthalen<br>e-2,7-disulphonate | 63451-35-4<br>264-197-7  |                          | 100 %         | N.C.*   |

N.C.\* - Non-hazardous substance - for information only

#### 3.2. Mixture

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

For the full text of the H-Statements mentioned in this Section, see Section 16.

---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

*General advice:*

First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

*Inhalation:*

If breathed in, move person into fresh air. If symptoms persist, call a physician.

*Skin contact:*

After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.

*Eye contact:*

Rinse thoroughly with plenty of water, also under the eyelids. Protect unharmed eye. Remove contact lenses. Consult a physician.

*Ingestion:*

When swallowed, allow water to be drunk. Consult a physician.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms.

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

*Suitable extinguishing media:*

Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

*Extinguishing media which shall not be used for safety reasons:*

High volume water jet

#### 5.2. Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as:

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides

#### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.  
Do not use a solid water stream as it may scatter and spread fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

---

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

#### 6.3. Methods and materials for containment and cleaning up

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

Use mechanical handling equipment.  
Sweep up and shovel into suitable containers for disposal.  
Dispose of in accordance with local regulations.

### 6.4. Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

*Advice on protection against fire and explosion:*  
Normal measures for preventive fire protection.

*Hygiene measures:*  
General industrial hygiene practice.

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

*Requirements for storage areas and containers:*  
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

no additional data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### DNEL/ PNEC-Values

No DNEL-data available.

No PNEC data available.

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

### 8.2. Exposure controls

#### Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

Ensure that eyewash stations and safety showers are close to the workstation location.

#### Engineering measures

Use with local exhaust ventilation.

#### Personal protective equipment

##### *Respiratory protection:*

In the case of vapour formation use a respirator with an approved filter.

##### *Hand protection:*

Glove material: Natural Latex

Break through time: > 480 min

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions ( e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer´s directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

##### *Eye protection:*

Safety goggles

##### *Skin and body protection:*

Protective suit

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

### Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

---

## SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Physical state                         | : solid   |
| Colour                                 | : blue  |
| Odour                                  | : No data available                                   |
| molecular weight                       | : 620,47 g/mol  |
| Melting point/freezing point           | : No data available                                   |
| Boiling point/boiling range            | : No data available                                   |
| Upper explosion limit                  | : No data available                                   |
| Lower explosion limit                  | : No data available                                   |
| Flash point                            | : No data available                                   |
| Auto-ignition temperature              | : No data available                                   |
| Decomposition temperature              | : No decomposition if stored and applied as directed. |
| pH                                     | : No data available                                   |
| Viscosity, kinematic                   | : No data available                                   |
| Water solubility                       | : No data available                                   |
| Partition coefficient: n-octanol/water | : No data available                                   |
| Vapour pressure                        | : No data available                                   |
| Density                                | : No data available                                   |

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

Relative vapour density : No data available

### 9.2 Other Information

Evaporation rate : No data available

Viscosity, dynamic : No data available

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

No decomposition if stored and applied as directed.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Heat, flames and sparks.  
Keep away from direct sunlight.

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

Sulphur oxides

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

*Acute oral toxicity:*

No data available

*Acute dermal toxicity:*

No data available

*Acute inhalation toxicity:*

No data available

*Skin irritation:*

No data available

*Eye irritation:*

No data available

*Respiratory or skin sensitisation:*

No data available

*Repeated dose toxicity:*

Note: No data available

*Carcinogenicity:*

Note: No data available

*Germ cell mutagenicity:*

Note: No data available

*Reproductive toxicity:*

Remarks: No data available

*STOT - single exposure:*

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

*STOT - repeated exposure:*

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

*Aspiration hazard:*

No data available

### 11.2. Information on other hazards

Endocrine disrupting properties

No data available

*Other information:*

No data available

---

## SECTION 12: Ecological information

### 12.1. Toxicity

*Toxicity to fish:*

No data available

*Toxicity to aquatic plants:*

No data available

*Toxicity to Microorganisms:*

No data available

*Toxicity to aquatic invertebrates:*

No data available

### 12.2. Persistence and degradability

*Biodegradability:*

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

*Product:*

Dispose according to legal requirements.

*Packaging:*

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

*Further information:*

Provisions relating to waste:  
EC Directive 2006/12/EC; 2008/98/EEC  
Regulation No. 1013/2006

For personal protection see section 8.

---

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID:Not dangerous goods    IMDG:Not dangerous goods    IATA:Not dangerous goods

### 14.2 UN proper shipping name

ADR/RID:Not dangerous goods  
IMDG:Not dangerous goods  
IATA:Not dangerous goods

### 14.3 Transport hazard class(es)

### 14.4 Packaging group

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

### 14.5 Environmental hazards

ADR/RID: no

Marine pollutant: no

### 14.6 Special precautions for user

No data available

### 14.7 Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| Basis                                  | Value | Remarks  |
|--|-------|--|
| Substances of very high concern (SVHC) |       | This product does not contain substances of very high concern according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of $\geq 0.1\%$ (w/w). |

### Poison Control Center

| Country        | Phone Number                 |
|----------------|------------------------------|
| Austria        | +4314064343                  |
| Belgium        | 070 245245                   |
| Bulgaria       | (+)35929154233               |
| Croatia        | (+3851)23-48-342             |
| Cyprus         | +357 2240 5611               |
| Czech Republic | +420224919293; +420224915402 |
| Denmark        | 82121212                     |
| Estonia        | 16662; (+372)6269390         |
| Finland        | 9471977                      |
| France         | +33(0)145425959              |
| Greece         | +30 210 779 3777             |

| Country         | Phone Number                |
|-----------------|-----------------------------|
| Liechtenstein   | +41 442515151               |
| Lithuania       | +370532362052               |
| Luxembourg      | 070245245; (+352)80002-5500 |
| Malta           | +356 2395 2000              |
| Netherlands     | 030-2748888                 |
| Norway          | 22591300                    |
| Poland          | +48 42 25 38 400            |
| Portugal        | 800250250                   |
| Romania         | +40 21 318 3606             |
| Slovakia (NTIC) | +421 2 54 774 166           |
| Slovenia        | +386 1 400 6051             |

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

|                    |                        |
|--------------------|------------------------|
| Hungary            | (+36-80)201-199        |
| Iceland            | 5432222                |
| Ireland            | +353(1)8092166         |
| Italy              | 0382 24444             |
| Germany            | Berlin : 030/19240     |
|                    | Bonn : 0228/19240      |
|                    | Erfurt : 0361/730730   |
|                    | Freiburg : 0761/19240  |
|                    | Göttingen : 0551/19240 |
|                    | Homburg : 06841/19240  |
|                    | Mainz : 06131/19240    |
| Munich : 089/19240 |                        |
| Latvia             | +37167042473           |

|                |   |
|----------------|---|
| Spain          | +34915620420                                |
| Sweden         | 112 (begär<br>Giftinformation);+46104566786 |
| Switzerland    | 145   |
| United Kingdom | (+44) 844 892 0111                          |

### Other inventory information

US. Toxic Substances Control Act  
On TSCA Inventory

Australia. Inventory of Industrial Chemicals (AIIC), as amended  
On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)  
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List  
Not in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)  
Not in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)  
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)  
On the inventory, or in compliance with the inventory

## Hydroxynaphthol blue

33936-10G

Version 1.2

Revision Date 07.09.2022

---

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand  
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)  
On the inventory, or in compliance with the inventory

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

---

## SECTION 16: Other information

### Further information

All directives and regulations refer to amended versions.  
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

#### Abbreviations:

EC European Community  
CAS Chemical Abstracts Service  
DNEL Derived no effect level  
PNEC Predicted no effect level  
vPvB Very persistent and very bioaccumulative substance  
PBT Persistent, bioaccumulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

---