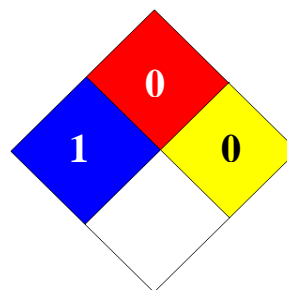


MATERIAL SAFETY DATA SHEET
OPTICELL HW
(HEXASULFONATE)

I. Product Identification.

Commercial Name: Opticell HW
Chemical Family: Stilbenic acid derivative
Supplier: Básicos y Colorantes, S.A. de C.V.
Emergency line: +52 55 5358-2011



Protective Equipment: C
Special Risk: --

II. Composition / Information about ingredients.

Stilbene bistriazine derivative
C.I. 357 CAS No. 83512-97-4

III. Hazards Identification.

The product is not known to be hazardous if the usual precautions for prevention of exposure are followed.

IV. First Aid Measures.

Inhalation: Take the victim to fresh air; in case of breathing difficulties, supply oxygen and seek immediate medical attention.

Ingestion: Make to the victim drink plenty of water or milk. DO NOT induce the vomit, seek medical attention.

Eye contact: Immediately flush eyes with running water, keeping eyelids open, if irritation is developed seek ophtalmologic attention.

Skin Contact: After contact with skin, wash immediately with plenty of water, soap or chemical skin protectors. Wash contaminated clothing before reusing.

V. Fire and Explosion Data

Fire Extinguishing Media: Nebulized Water, foam, dry chemical powder or CO₂.

Restriction: Not applicable

Explosion: Not applicable

Protective clothing: Fire protective gear

VI. Accidental release measures.

Use an absorbent product to put the material into a convenient waste disposal container, label and close it, and dispose of according to local and regional authority requirements.

VII. Handling and Storage

Special measures not available. Keep the container tightly closed. Take the usual care measures during the handling of chemical products.

VIII. Exposure controls / personal protection

Avoid eyes and skin contact. Prevent food and drink contact. Do not eat, drink or smoke in the work area or storage site. Change dirty or polluted clothes with this product. Use safety glasses for eyes and clothes for body.

Protective clothing: safety glasses, rubber gloves and synthetic apron. Adopt the usual care measures during the handling of chemical products.

IX. Physical and chemical properties.

<i>Physical State:</i>	Liquid
<i>Color:</i>	Yellowish to reddish brown
<i>Odor:</i>	Characteristic
<i>Boiling temperature:</i>	100 °C
<i>Steam pressure:</i>	15 mm Hg at 20 °C
<i>Viscosity:</i>	< 100 CPS a 25 °C
<i>pH:</i>	7.5 – 10.0
<i>Solubility in water:</i>	Miscible

X. Stability and Reactivity data.

Thermal decomposition: Not available

Hazardous reactions: Not available

Thermal decomposition does not occurs if storage and handle properly.

XI. Disposal, use and management data.

Accidental spill: Use an absorbent product to put the material into a convenient waste disposal container.

Handling and Storage: Special measures not available.

Ecological information: Special measures not available.

XII. Toxicological Information

Severe Toxicity:

LD50 (orally, rat) > 5000 mg/Kg

LD50 (cutaneous, rat) > 2500 mg/Kg

LD50 (mucous, rat) > N.A.

Chronic effects: Not available

The product is not known to be hazardous if the usual precautions for prevention of exposure are followed.

Básicos y Colorantes, S.A. de C.V.

San Francisco No 12, Col. San Francisco Cuautlalpan, Naucalpan Edo. de México

Tel. 53582011, Fax. 53582685, <http://www.byc.com.mx>

XIII. Ecological information.

Biological Elimination: Less than 10%, method: (BOD₅:DQO) x100

⁰ toxicity to fishes: LC₀: ≥100mg/L, test specie: leuisiscus idus

Time of test: 48 hours

⁰ inhibition of bacterial activity in sewage water: no effects at 1000g/L

Test organism: fluorescent pseudomonas, Test method: Organism breathless of activated mud according to Bringmann (1973)

Kind of pollution WGK of water: 1, weak contaminants of water, own classification, WGK = classification according to German law of waters.

XIV. Regulatory information.

No risk labeling is required, according to the directives of the European Economic Community(EEC). Not subject to german regulations for flammable liquids(Vfb). This products is not hazardous.

XV. Transport Information

GGVSee/ IMDG Code:---

N⁰UN: ---

MFAG:---

EmS:---

PG:---

MPO:---

GGVE/GGVS: class ---

N⁰:---

RID/ADR:---

N⁰:---

ADNR:class ---

N⁰:---

CAT:---

ICAO/IAT-DGR: no rest.

This product is not hazardous to transport, just keep it individually from foodstuffs.

XVI. Other Information.

Opticell HW	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Protective Equipment	C

HMIS Clasification

0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = extreme

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Basicos y Colorantes S.A. de C.V. will be not responsible for damages resulting from use of or reliance upon this information.

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