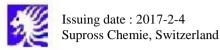
(under OSHA's Hazard Communication Standard 29 CFR 1910-1200) (According to 93/112 EEC Commission Directive)

Product: Bittex OX (BYB)

Product code: ob-11357



1. Identification of Substance / Preparation and Company Name

Product Name : **Bittex OX (BYB)**Identification of product : Fluorescent brightener

Companyname : Supross Co., Ltd.

Address : 310 / Hyundai Ettrebo bldg., #852, Janghang-dong,

Ilsan-ku, Goyangshi, Kyunggi-do, Korea

Emergency Tel No. : (82-31) 920-8778

Emergency Fax No. : (82-31) 920-8777 E-mail : supross@kornet.net

2. Composition / Information on Ingredients

Hazardous components: Technically pure. Hazardous ingredients are not practically contained

Chemical family: stilbene (C40H42O10N12S2Na2)

Molecular weight: 960 CAS No.: 4193-55-9

Chemical characterization : "

4,4-bis{4-anilino-6-bis(2-hydroxyethyl)amino-1,3,5-triazin-2-yl)amino stilbene-2,2-disulfonic acid disodium salt

3. Hazard Related To Use

Inhalation : may cause respiratory irritation if excessive inhalation
Skin contact : no significant hazards under conditions of normal use
Eye contact : no significant hazards under conditions of normal use
Ingestion : no significant hazards under conditions of normal use

4. Emergency & First Aid Measures

If inhaled : Remove to fresh air. If breathing is difficult,

give oxygen respiration and get medical attention immediately.

Skin contact : Remove affected clothing and wash all exposed area with

mild soap & water. If irritation develops, consult physician.

Eye contact : Immediately flush eyes with flowing water for at least

15 minutes. If eye irritation persist, consult a specialist.

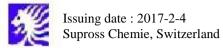
Ingestion : Rinse mouth and induce vomiting. Never give water or

induce vomiting if victim is unconscious or convulsing.

(under OSHA's Hazard Communication Standard 29 CFR 1910-1200) (According to 93/112 EEC Commission Directive)

Product: Bittex OX (BYB)

Product code: ob-11357



5. Fire Fighting Measures

Special Hazard : No fire hazard when exposed to heat or flame.

Extinguishing media : Carbon dioxide, dry chemical powder,

foam or water spray, CO2 etc.

Specific exposure hazards : High temp. decomposition may liberate H₂O₂ & oxides

of carbon, nitrogen, sulfur which may be toxic

Protection against fire : Wear protective clothing and

self-contained breathing apparatus (SCBA)

6. Accidental Release Measures

Personal Precaution : Wear suitable protective equipment, clothing and gloves.

Environmental Precaution : Comply with local, state & federal regulations

for container disposal.

Spillage/leakage : Scoop up spilled liquid into a container for disposal

& wash off the contaminated area with water.

7. Handling and Storage

Handling : Avoid all unnecessary exposure. Handle in accordance with

good industrial hygiene and safety guidelines.

Storage : Keep container closed in a dry and cool place when not in use.

Store away from incompatible substances.

8. Exposure Control / Personal Protection

Personal protection

Respiratory protection : NIOSH/MSHA approved dust or mist respirator should be used

if airborne particulate is generated when handling.

Skin protection : Coveralls, gloves, apron, boots to minimize contact

Eye protection : Chemical goggles or safety glasses.

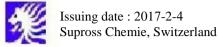
Ingestion : Do not eat, drink or smoke around chemicals.

Industrial hygiene : Local exhaust to control to recommend P.E.L.

(under OSHA's Hazard Communication Standard 29 CFR 1910-1200) (According to 93/112 EEC Commission Directive)

Product: Bittex OX (BYB)

Product code: ob-11357



9. Physical and Chemical Properties

Appearance / physical state : crystalline powder Color : yellowish- bluish

Odor : odorless
Melting Point : over 350°C
Boiling Point (at 760mm/Hg : not applicable
Vapour pressure (mmHg 20°C) : not applicable
Bulk Density : no data available

Solubility to water at 25'C : 40 gl

Viscosity : no data available pH value approx. (at 25'C) : 9~ 10 at 1% sol'n

VOC : no volatile organic : vapor-water only

Self ignition temperature : no data available Flash Point : no data available Explosion limits (upper-lower) : no data available

10. Stability and Reactivity

Stability : stable Hazardous reactions : stable

Hazardous properties : not known under normal conditions

Materials to avoid : strong oxidizing agents

11. Toxicological Information

Rat / oral / LD50 (g/ kg): >16g/ kg Carcinogenicity

Rabbit / dermal / LD50 (mg/ kg): no data available NPT: No

Rat / inhalation / LD 50 (g/k):

Dermal irritation / rabbit: no data available LARC monograph : No

not irritant

12. Ecological Information

LD50 (mg/ kg) : no data available
BOD3
COD : no data available
TOC : no data available
Biological elimination : no data available
Ecotoxicity (rainbow trout) LC50 : no data available

(under OSHA's Hazard Communication Standard 29 CFR 1910-1200) (According to 93/112 EEC Commission Directive)

Product: Bittex OX (BYB)

Product code: ob-11357

Issuing date : 2017-2-4 Supross Chemie, Switzerland

OSHA Hazard Clarification

Acute:No Reactive : No Chronic:No Oxidizer : No Flammable:No

13. Disposal Considerations

Disposal should be in accordance with local, state or national legislation.

14. Transport Information

General infomation: Not regulated. Non-hazardous product

49CFR172.101-102: None

Store and load separately from food and consumable products.

15. Regulatory Information

Risk phrase(s):NoneSymbol(s):

R phrase(s):NoneS phrase(s):

None

None

UN No.:NoneRQ: None Poison constituent :NoneTSCA listed: listed

OSHA regulated :NoneSARA Title 111 Sect. 3 : not reportable Hazardous substance (49CFR CERCLA list):None

DOT Placard (CFR 172.504):not required

DOT Shipping name (49CFR 172.101-102):not available

DOT Label (49CFR 172.101-102):not available

RTK: Bittex OX (BYB)

DOT Hazard Classification Primary Secondary (49CFR172.101-102:

None

Contents/format of this MSDS are in accordance with EEC Commission Directives 93/112EEC.

16. Other Information

Transportation regulation varies by localty. Recommended uses and restrictions: None Shipper should comply with local government regulation.

Bill of lading description - Chemical is NOIBN

This information contained herein is based on the present state of our knowledge and expressly disclaims all liability for reliance thereon. Consignee of the product has to meet existing laws and regulations under his own responsibility.