

**MSDS** **MATERIAL SAFETY DATA SHEET**  
 RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

**idye Sun Blocker**

**MSDS No:** 401 **Effective Date:** 11/8/7 **Amendatory Date:** 11/6/7

**1. Product Identification****Product Code:** 401**Chemical Family:** Stilbene Disulfonic Acid Triazine Derivative**2. Composition/Information on Ingredients**

Hazardous

Ingredients	%	CAS No.
2,2'- (1,2, ethenediyl) bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-disodium salt (E)-	50-60	180850-95-7

Non-Hazardous

Ingredients	%	CAS No.
Sulfuric acid disodium salt	30-40	7757-82-6
Sodium chloride (NaCl)	1.3	7647-14-5
Water	5.8	7732-18-5

**3. Physical & Chemical Characteristics****Vapor Pressure:** <0.01Pa**Vapor Density:** N/A**Solubility in Water:** Not Determined**Appearance & Odor:** Yellow Solid with no odor**Specific Gravity:** N/A**Melting Point:** Not Determined**Density:** Not Determined**pH:** 10-10.5@ 3g/L**Percent Volatile:** Not determined**VOC:** Not Determined**Partition Coefficient (octanol/Water):** Not determined**Decomposition Temperature:** >662 degrees F**Flash Point:** Not applicable**4. Fire & Explosion Data**

**Hazards:** combustible powder, avoid creating dusty conditions, grounding is required when emptying into a conductive container, when flammable solvents are present the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advise. In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and Type "C" FIBC (bulk bags), or other conductive the following instructions also apply: always ground this package before emptying, the user is responsible for designing the system to handle solid and ensuring proper training of employees in system's use.

**Fire Fighting Measures:** Standard procedure for chemical fires.**Suitable Extinguishing Media:** Carbon Dioxide, dry chemical, foam or water mist.**Fire Fighting Equipment:** Wear self-contained breathing apparatus and protective suit.**Unusual Hazards:** The product can form an explosive dust/air mixture.**Hazardous Combustion Products:** Burning may produce toxic combustion products.**5. Reactivity Data****Stable:** Stable**Conditions to Avoid:** Avoid static discharge

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**Incompatibility:** Strong Oxidizing agents, strong acids, strong bases.

**Hazardous Decomposition:** No decomposition expected under normal storage conditions.

**Hazardous Polymerization:** None expected.

**6. Health Hazards**

**Routes of Entry:** Ingestion, skin, inhalation, eyes.

**Potential Health Effects:** Corrosive. Causes eye burns.

**OSHA Hazardous Substance:** This material is classified as hazardous under OSHA regulations.

**7. Emergency & First Aid Procedures**

**Inhalation:** Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

**Eyes:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin:** Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

**8. Special Precautions & Spill/Leak Procedures**

**Handling & Storage:** As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

**Steps if Spilled:** Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Wear suitable protective equipment. Should not be released into the environment.

**Waste Disposal:** Dispose in accordance with local, state, provincial and federal regulations.

**9. Special Protection Information**

**Exposure Guidelines:** There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

**Respiratory Protection:** Use NIOSH approved respirator as needed to mitigate exposure.

**Ventilation:** Work in well ventilated areas. Do not breathe dust.

**Skin Protection:** Wear chemical resistant gloves and protective clothing.

**Eye Protection:** Wear safety glasses or goggles to protect against dust particle.

**Other Protection:** Eye wash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure.

**10. Toxicological Information**

**Acute Oral Toxicity:** >LD50: 5000 mg/kg (Rats)

**Acute Dermal Toxicity:** LD50: 2000 mg/kg (Rats)

**Acute Inhalation Toxicity:** Not determined

**Eye Irritation:** (Rabbits) Corrosive

**Skin Irritation:** (Rabbits) Not an irritant.

**Skin Sensitization:** Sensitization (Guinea Pig)-does not sensitize

**Carcinogenicity (IARC, NTP, OSHA, ACGIH):** None of the components in this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**Mutagenicity:** Reverse Mutation Assay/Ames Test: Non mutagen (OECD 471) in Vitro

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Chromosomal aberration Assay (CHO cells)-negative (OECD 473)

**Reproductivity Toxicity:** Not determined

**Teratogenicity:** Not determined

**Neurotoxicity:** Not determined

**Subacute Toxicity:** Not determined

**Subchronic Toxicity:** A 28 day oral feed (gavage) was conducted on rats. The No Observed Effect Level was estimated at 150 mg/kg/day.

**Chronic Toxicity:** Not determined

**Absorption/Distribution/Excretion/Metabolism:** Not determined.

**Additional Information:** The toxicological tests were carried out on the active component.

**11. Ecological Information**

**Toxicity to Fish:** >LC50 120mg/L 96 hour (Rainbow Trout)

**Toxicity to Invertebrates:** >LC50 120 mg/L 48 hour (Daphnia magna)

**Toxicity to Algae:** > mg/L EC50 72 hour

**Toxicity to Sewage Bacteria:** >EC50=1000 mg/L 3 hour

**Activated Sludge Respiration Inhibition Test:** Not determined

**Biochemical Oxygen Demand (BOD):** 0 mg O<sub>2</sub>/g

**Total Oxygen Demand:** Not determined

**Biodegradability:** Not determined

**Bioaccumulation:** Not determined

**Additional Environmental Data:** Test data for the major active component. Not toxic or harmful to aquatic organisms.

**12. Transport Information**

**U.S. Department of Transportation (DOT):** Not regulated for this mode of transport.

**International Maritime Dangerous Goods (IMDG):** Not regulated for this mode of transport.

**International Air Transportation Authority (IATA):** Not regulated for this mode of transport.

**13. Regulatory Information**

**OSHA Hazardous Substance:** This material is classified as hazardous under OSHA regulations.

**Clean Air Act-Hazardous Air Pollutants (HAP):** This product does not contain Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

**Clean Air Act-Volatile Organic Compounds (VOC):** This product does not contain any SOCM Intermediate or Final Volatile Organic Compounds (VOC) as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489).

**Clean Air Act-Ozone Depleting Substances (ODS):** This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

**Clean Water Act-Priority Pollutants (PP):** This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

**Resource Conservation and Recovery Act (RCRA):** Not hazardous waste under RCRA (40 CFR 261.21).

**SARA Section 302 Extremely Hazardous Substances (EHS):** This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

**Sara Section 304 CERLA Hazardous Substances:** This product does not contain any components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notifications ("CERLA" list).

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**SARA Section 311/312 Hazardous Communication Standard (HCS):** Unspecified.

**SARA Section 313 Toxic Chemical List (TCL):** This product does not contain any component(s) listed on the Section 313 Toxic Chemical List.

**TSCA Section 8(b): Inventory Status:** All component(s) comprising this product are either exempt or listed on the TSCA inventory.

**TSCA Section 5(e) Consent Orders:** This product is not subject to Section 5(e) Consent Order.

<i>Components</i>	<i>TSCA 5(e) Status</i>	<i>CFR Reference</i>
2,2'- (1,2, ethenediyl) bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-disodium salt (E)-	Listed	

**TSCA Significant New Use Rule (SNUR):** The following component(s) are subject to a Significant New Use Rule (SNUR):

<i>Components</i>	<i>TSCA SNUR Status</i>	<i>CFR Reference</i>
2,2'- (1,2, ethenediyl) bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-disodium salt (E)-	Listed	40 CFR 721.9785 Consent Order rescinded.

**TSCA Section 5(f):** This product is not subject to Section 5(f)/6(a) rule.

**TSCA Section 12(b) Export Notification:** This product contains the following component(s) that are subject to a Section 12(b) Export Notification:

<i>Components</i>	<i>TSCA Section 12(b) Export Notification</i>
2,2'- (1,2, ethenediyl) bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-disodium salt (E)-	Annual Export Notification required.

**State Regulations:**

**California Proposition 65:** This product does not contain any components currently under the California list of Known Carcinogens and Reproductive Toxins.

**Pennsylvania Right-To-Know:** This product contains the following components which are subject to Pennsylvania Right-To-Know disclosure requirement.

<i>Components</i>	<i>CAS Number</i>	<i>Pennsylvania Right-To-Know</i>
Sulfuric acid disodium salt	7757-82-6	Listed. Environmental Hazard
2,2'- (1,2, ethenediyl) bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-disodium salt (E)-	180850-95-7	Not Listed.
Water	7732-18-5	Not Listed.

**International Regulations:**

**Chemical Weapons Convention (CWC):** This product does not contain any components listed under the Chemical Weapons Convention Schedule of Chemicals.

**Domestic Substance List (DSL) Status:** Not all components are listed on the DSL.

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