

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

Product Name : UVASORB 3C

### 1.2 Recommended use(s) and restrictions

Product use : UV absorber – manufacture of substances

Restrictions of use : No known restrictions

### 1.3 Manufacturer / Supplier

Company Information : 3V Sigma USA Inc.  
888 Woodstock Street  
Georgetown, South Carolina 29440  
USA

Telephone : (843) 546-8556

Fax : (843) 520-0201

E-mail address - responsible person  
for safety data sheets. : product.safety@3VSigmaUSA.com

### 1.4 Emergency Telephone Number

24 Hour Emergency Information : CHEMTREC - 1-800-424-9300

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or Mixture

### 2.2 GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Skin sensitization (Category 1), H317

Aquatic environment, Chronic hazard (Category 4), H413

### 2.3 GHS Label elements, including Precautionary Statements

Pictograms



Signal word : Warning

## 2. HAZARD(S) IDENTIFICATION

### Hazard Statements

- H317 : May cause an allergic skin reaction.  
 H413 : May cause long lasting harmful effects to aquatic life.

### Precautionary Statements

- P273 : Avoid release to the environment.  
 P280 : Wear protective gloves / protective clothing / eye and face protection.  
 P302+P352 : If on skin, wash with plenty of soap and water.  
 P333+P313 : If skin irritation or rash occurs, get medical advice / attention.

- Other Hazards : None

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance / Mixture

<u>Chemical component</u>	<u>CAS Number</u>	<u>Concentration</u>
Octabenzene	: 1843-05-6	100%

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

- Inhalation : If breathing becomes difficult, move the victim to fresh air and give oxygen. If breathing has ceased, administer artificial respiration. Seek immediate medical attention.
- Skin : Remove contaminated clothing and segregate. Wash affected areas thoroughly with soap and water. Seek medical attention if irritation develops/persists. Wash contaminated clothing before reusing.
- Eye Exposure : Flush with water for at least 15 minutes. Seek medical attention.
- Ingestion : Rinse mouth with water. Do not induce vomiting unless advised to do so by a physician. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

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

- : For symptoms and effects caused by the contained substances, please refer to sections 2 and 11.

### 4.3 Indication of immediate medical attention / special treatment needed

- : Follow doctor's orders



## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

Suitable Extinguishing Media : Carbon dioxide, Dry chemical, Foam and Water spray

Unsuitable Extinguishing Media : None in particular

### 5.2 Special hazards arising from the substance / mixture

: Do not breathe combustion products (toxic pyrolysis products, etc).

### 5.3 Advice for fire-fighters

Protective Equipment : Wear full protective fire gear including SCBA operated in the positive pressure mode when the potential for exposure to chemicals of combustion exists.

Precautions for fire-fighters : Use water spray to cool unopened containers to prevent product decomposition and the development of substances potentially hazardous for health. Dispose of contaminated water used to extinguish fire in accordance with regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

: If the permitted workplace exposure thresholds do not meet specifications, suitable respiratory protection must be worn.

### 6.2 Environmental Precautions

: Product must not penetrate storm drains, sewers, surface water, ground water or neighboring areas.

### 6.3 Methods and Materials for containment and clean-up :

: Sweep or shovel material without the formation of dust. Collect in a suitable container with closed lid for disposal. Dispose in accordance with federal, state and local waste management regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

: Avoid contact with eyes, skin and mucous membranes. Avoid the formation of dust. Do not breathe product dust. Do not ingest. Ensure proper exhaust ventilation is established in working areas.

### 7.2 Conditions for Safe Storage

: Store product in original containers with proper labeling. Container lid should be tightly sealed when not in use. Store product in a dry, cool and well ventilated area. Protect from light.

### 7.3 Incompatibilities

: No known incompatibilities under normal use and proper storage conditions.

### 7.4 Specific end use(s)

: No other specific uses are stipulated.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control Parameters

Components with control parameters : Exposure limits for Octabenzene

##### *Predicted No Effect Concentration (PNEC)*

- Normal value for food chain	: No hazard identified
- Normal value for terrestrial compartment	: 66.1 mg/kg
- Normal value in fresh water	: 0.052 mg/l
- Normal value in marine water	: 0.0052 mg/l
- Normal value for fresh water sediment	: 332 mg/kg
- Normal value for marine water sediment	: 33.2 mg/kg
- Normal value of STP microorganisms	: 1 mg/l

*Health-Derived No Effect Level (DNEL)* : Effects on consumers

Exposure Route	Acute Local	Acute Systemic	Chronic Local	Chronic Systemic
Oral	---	---	Hazard identified but no DNEL/PNEC available	0.9 mg/kg
Dermal	---	---	Hazard identified but no DNEL/PNEC available	0.9 mg/kg
Inhalation	---	---	Hazard identified but no DNEL/PNEC available	1.6 mg/m3

*Health-Derived No Effect Level (DNEL)* : Effects on workers

Exposure Route	Acute Local	Acute Systemic	Chronic Local	Chronic Systemic
Oral	---	---	---	---
Dermal	---	---	Hazard identified but no DNEL/PNEC available	1.87 mg/kg
Inhalation	---	---	Hazard identified but no DNEL/PNEC available	6.6 mg/m3

#### 8.2 Engineering Controls

Control Measures : Ensure proper exhaust ventilation is equipped in working areas / where dust may be formed.

#### 8.3 Personal Protective Equipment

Eye Protection : Chemical protective goggles or a full face respirator mask.

Skin Protection : Standard full length work apparel, TYVEK type coveralls and professional safety footwear.

Hand Protection : Chemical-protective gloves

Respiratory Protection : Organic vapor mask with dust filter, or supplied air depending upon airborne exposure levels.

#### 8.4 Protective Equipment

: Eye wash/safety shower located within 25 feet of working area.



### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Basic physical and chemical properties

Appearance	: Powder
Color	: Pale yellow
Odor	: Imperceptible
Odor Threshold	: Not available
pH	: Not available
Melting Point	: 46 °C
Boiling Point	: Not applicable
Distillation Range	: Not available
Flash Point	: Not applicable
Evaporation Rate	: Not available
Flammability of solids and gases	: Not flammable
Vapor Pressure	: Not available
Vapor Density	: Not available
Specific gravity	: 1,160 Kg/l
Solubility (water, 25 °C)	: < 0,001 mg/l
Partition coefficient: n-octanol / water	: > 6
Ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
Reactive Properties	: Not available

### 10. STABILITY AND REACTIVITY

10.1 Reactivity	: No particular risks of reaction with other under normal conditions
10.2 Chemical Stability	: Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions	: No foreseeable hazardous reactions under normal conditions.
10.4 Conditions to Avoid	: None with proper storage and handling.
10.5 Incompatible Materials	: Information not available.
10.6 Hazardous Decomposition Products	: In the event of thermal decomposition or fire, potentially dangerous vapors may be released.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Acute Toxicity

LD50 (oral/rat)	: > 2000 mg/kg
Skin irritation (rabbit)	: Non Irritating (OECD 404)
Eye irritation (rabbit)	: Non Irritating (OECD 405)
Skin sensitization (guinea pig)	: Sensitizing

#### 11.2 Toxicological Effects

This product causes sensitization (dermatitis) upon contact with skin. Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Intensity varies according to severity of affected areas.

**12. ECOLOGICAL INFORMATION****12.1 Acute Toxicity**

LC50 (96h)	: > 100 mg/l (Brachidanio Rerio)
IC50 (72h)	: > 100 mg/l (Desmodesmus Subspicatus)
EC50 (48h)	: 52 mg/l (Daphnia magna)

**12.2 Persistence and Degradability** : Not readily biodegradable

**12.3 Bio-accumulative potential** : BCF = 209.5 (calculated)

**12.4 Mobility in Soil** : Information not available

**12.5 Results of PBT and vPvB Assessment** : Does not contain any PBT or vPvB in percentage greater than 0.1%.

**12.6 Other Adverse Effects** : Information not available

**13. DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods**

The hazard waste contained in this product should be evaluated in accordance with applicable regulations. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Contact the nearest EPA office for guidance if necessary.

**14. TRANSPORT INFORMATION**

This product is not dangerous under current provisions of the United States Department of Transportation (DOT), International Maritime Dangerous Goods Code (IMDG) and the International Air Transport Association (IATA).

US DOT	: Not Regulated (Not dangerous goods)
IMGD	: Not Regulated (Not dangerous goods)
IATA	: Not Regulated (Not dangerous goods)

**15. REGULATORY INFORMATION****Global Chemical Inventories**

*All of the components comprised in this product are listed on the following inventories.*

US	(TSCA)
EU	(REACH)
Australia	(AICS)
Canada	(DSL)
China	(IECSC)
Japan	(ENCS)
Korea	(ECL)
New Zealand	(NZIoC)
Philippines	(PICCS)
Taiwan	(NECI)





# SAFETY DATA SHEET

## UVASORB 3C

Revision Number 2.0  
Revision Date 03/16/2016  
Print Date 03/16/2016

### 15. REGULATORY INFORMATION (continued)

#### State Regulations

California Proposition 65 : Not listed

#### U.S. Federal Regulations

CERCLA RQ (lbs.) : Not Listed

### 16. OTHER INFORMATION

#### NFPA Rating

Health Hazard : (2)  
Fire Hazard : (1)  
Reactivity Hazard : (0)

#### Text of Hazard (H) Indicators referenced in sections 2 and 3

Skin Sensitizer (Category 1) : Respiratory / skin sensitization  
Aquatic, Chronic (Category 4) : Hazardous to the aquatic environment  
H317 : May cause an allergic skin reaction.  
H413 : May cause long lasting harmful effects to aquatic life.

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The statements made herein are intended to provide product safety information. This safety data sheet has been prepared with information currently available. Although care has been taken to provide accurate information, no warranties either expressed or implied are being made as a result of this information.