



## Safety Data Sheet

### Section 1: Identification of the Product/Company

**Product Identifier:****Product Name:** ADVANCED COLORFX**Product Code:****Relevant identified uses of the substance or mixture****Recommended use:**

For professional use to develop special metallic color effects

**Uses advised against:**

Keep away from children

**Details of the supplier of the safety data sheet****Manufacturer:**

Super Stone Inc.  
1251 Burlington Street  
Opa-Locka, FL 33054  
United States  
[www.superstone.com](http://www.superstone.com)  
(305) 681-3561

Telephone (General)

**Emergency telephone number**

**Manufacturer:** (800) 424-9300 (Chemtrec) USA  
+ 1 (703) 527-3887 (Chemtrec) International

### Section 2: Hazards Identification

**Classification of the substance or mixture****GHS-US classification**

Skin irritation:	Category 2, H315
Skin sensitization:	Category 1, H317
Serious eye damage/eye irritation:	Category 2A, H319
STOT SE 3:	Category 3, H335

**Label elements**



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### GHS-US labeling

The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard Pictograms (GHS-US)



GHS07

#### Signal words (GHS-US):

Warning

#### Hazards statements (GHS-US):

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

#### Precautionary statements (GHS-US)

##### Prevention:

P261 Avoid breathing vapor  
P264 Wash exposed skin thoroughly after handling  
P271 Use only outdoors or in a well ventilated area  
P272 Contaminated work clothing should not be allowed out of the workplace  
P280 Wear protective gloves, clothing, and eye/ face protection

##### Response:

P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P302+ P352+P362-2+P363: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.



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P333 +P313: If skin irritation or rash occurs: Get medical attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

### Storage:

P405 Store locked up

### Disposal:

P501 Dispose of contents and containers in accordance with local, regional and international regulations

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)-Annex III

### Other hazards

The substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII

### Unknown acute toxicity (GHS-US)

No data available

## Section 3: Composition/information on ingredients

### Substances

Name	Product Identifier	% by weight	GHS-US classification
Bisphenol-A-(Epichlorhydrin)	CAS # 25068-28-6 EINECS # 500-033-5	45-70	Skin sensitization 1, H317 Skin irritation 2, H315 Eye irritation 2A, H319 STOT SE 3, H335

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.



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### Section 4: First aid measures

#### Description of necessary first aid measures

##### First-aid measures general:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: consult doctor/ hospital. Never give alcohol to drink.

##### First-aid measures after inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

##### First-aid measures after skin contact:

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

##### First-aid measures after eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

##### First-aid measures after ingestion:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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



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**Symptoms/injuries after inhalation:**

May cause respiratory irritation.

**Symptoms/injuries after skin contact:**

Causes skin irritation. May cause an allergic skin reaction

**Symptoms/injuries after eye contact:**

Causes serious eye irritation

**Symptoms/injuries after ingestion:**

Irritating to the mouth, throat and stomach

**Indication of any immediate medical attention and special treatment needed**

No additional information available

### Section 5: Firefighting measures

**Extinguishing media****Suitable extinguishing media:**

Use an extinguishing medium suitable for the surrounding fire

**Unsuitable extinguishing media:**

None known

**Special hazards arising from the substance or mixture****Fire hazard:**

In a fire or if heated, a pressure increase will occur, and the container may burst

**Explosion hazard:**

No specific fire or explosion hazard

**Reactivity:**

Upon combustion: CO and CO<sub>2</sub> and halogenated compounds are formed.

**Advice for firefighters****Firefighting instructions:**

Cool tanks/drums with water spray/remove them into safety

**Protection during firefighting:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

**Precautionary measures fire**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.



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### Additional information

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### General measures:

Remove all sources of ignition (flame, hot surfaces and electrical, static or frictional sparks). Avoid contact and avoid breathing the vapors. Use self-contained breathing apparatus.

#### For non-emergency personnel

##### Protective equipment:

Gloves. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material Handling" to select protective clothing.

##### Emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### For emergency responders

##### Protective equipment:

Equip clean-up crew with proper protection. Do not breathe gas, fumes, vapor or spray.

##### Emergency procedures:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

#### Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and material for containment and cleaning up:

##### For containment:

Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material.

##### Methods for cleaning up:



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Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container and store into a safe location to await disposal. Change contaminated clothing and launder before reuse.

### Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

## Section 7: Handling and storage

### Precautions for safe handling

#### Additional hazards when processed:

#### Precautions for safe handling:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Hygiene measures:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

#### Technical measures:

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion proof electrical, lighting and ventilating equipment.

#### Storage conditions:

Store the product in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept



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upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

### Incompatible products:

See section 10

### Incompatible materials:

See section 10

### Storage area:

The product should be stored in a cool, dry and well ventilated area, at ambient temperature directly out of the sunlight.

### Special rules on packaging:

Do not store in open, unlabeled or mislabeled containers. Keep containers closed at all times when not in use.

### Specific end use(s)

Coating

## Section 8: Exposure controls/personal protection

### Control parameters

### Occupational exposure limits:

For some aromatic constituents of C8 and C9

Chemical Name	CAS # / EINECS #	EXPOSURE LIMITS
Bisphenol-A-(Epichlorhydrin)	25068-28-6 / 500-033-5	None

### Exposure controls

Appropriate engineering controls:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of





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environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

### Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

### Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated

### Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to



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liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin and body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid paste
<b>Appearance:</b>	Metallic-Pearlescent
<b>Color:</b>	Various metallic colors
<b>Odor:</b>	Very Faint Aromatic
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	Not Applicable
<b>Relative evaporation rate (butyl acetate=1):</b>	Slower, 0.27
<b>Boiling Range:</b>	322-340° F
<b>Melting point:</b>	Not Determined



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<b>Freezing point:</b>	7° F
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not Determined
<b>Flammability (solid, gas):</b>	Not Applicable
<b>Vapor pressure:</b>	Not Determined
<b>Flash Point:</b>	104° F
<b>Flash Point Method:</b>	Tag Closed Cup
<b>Relative vapor density @ 20 °C:</b>	Heavier than air
<b>Relative density:</b>	1.413
<b>Density:</b>	11.77 lbs / gal
<b>Solubility:</b>	Insoluble in water
<b>Log Pow:</b>	Not available
<b>Log Kow:</b>	3.2 to 3.9 @ 25° C
<b>Viscosity, kinematic:</b>	1,265 cSt @ -20° C
<b>Viscosity, dynamic:</b>	Not available
<b>Explosive properties:</b>	None, however formation of explosive air/vapor mixture is possible
<b>Oxidizing properties:</b>	None known
<b>Explosive limits:</b>	1.0% (V) lower & 7.4% (V) upper

### Other information:

No further relevant information available

## Section 10: Stability and reactivity

### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### Chemical Stability

Product is stable under normal storage conditions

### Conditions to Avoid

No specific data

### Incompatible Materials

No specific data

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## Section 11: Toxicological information

### Information on toxicological effects



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### TOXICITY MEASURES:

Chemical Name	LD50/LC50
Bisphenol-A-(Epichlorhydrin)	Oral LD50: Rat 11,400 mg/kg Dermal LD50: Rabbit >2,000 mg/kg Inhalation LC50: Rat 6,000-10,000 mg/m <sup>3</sup>

**Skin corrosion/irritation:**

Caustic slight skin irritation

**Serious eye damage/irritation:**

Causes serious eye irritation

**Respiratory or skin sensitization:**

Not available

**Germ cell mutagenicity:**

Not available

**Carcinogenicity:**

Not available

**Reproductive toxicity:**

Not available

**Specific target organ toxicity (single exposure):**

Respiratory tract irritation Category 3

**Specific target organ toxicity (repeated exposure):**

Not available

**Aspiration hazard:**

Not available

**Symptoms/injuries after inhalation:**

May cause respiratory irritation; Adverse symptoms may include respiratory tract irritation and coughing

**Symptoms/injuries after ingestion:**

Causes skin irritation. May cause an allergic skin reaction; Adverse symptoms may include irritation and redness

**Symptoms/injuries after eye contact:**

Causes serious eye irritation; Adverse symptoms may include pain or irritation, watering and redness

**Symptoms/injuries after ingestion:**

Irritating to mouth, throat and stomach



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### Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

#### **Toxicity**

Not available

#### **Persistence and degradability**

Not available

#### **Bio-accumulative potential**

Not available

#### **Mobility in soil**

Not available

#### **Other adverse effects**

Not available

### Section 13: Disposal considerations

#### **Waste treatment methods**

##### **Regional legislation (waste):**

Dispose of unused contents (incineration) in accordance with national and local regulations.

##### **Waste disposal recommendations:**

Ensure the use of properly authorized waste management companies where appropriate.

### Section 14: Transport information

In accordance with ICAO/IATA/DOT/TGD

Not regulated

### Section 15: Regulatory information

#### **U.S. Federal Regulations**

##### **U.S. OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations

##### **U.S SARA Reporting Requirements:**

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ)	SECTION 304 RQ	SECTION 313 TRI
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	(40 CFR 355, Appendix A)	(40 CFR Table 302.4)	(40 CFR 372.65)
Bisphenol-A- (Epichlorhydrin)	No	No	No

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

ACUTE: Yes; CHRONIC: Yes; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

**Toxic Substances Control Act (TSCA):**

All components of this product are included on the TSCA inventory

**U.S. CERCLA Reportable Quantity (RQ):**

Not subjected to reporting requirements

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):**

This product does not contain chemicals known to the State of California to cause cancer or developmental harm.

**European Inventory of Existing Chemicals (EINECS):**

All of the components of this product are included on EINECS.

### Section 16: Other information

**Indication of changes:**

**Other information:**

Full text of H phrases:

<b>STOT SE 3</b>	Specific Target Organ Toxicity-Single Exposure, Category 3, Respiratory



**NFPA health hazard:** 2-Moderately toxic or hazardous material which require additional PPE or equipment than safety goggles and gloves.

**NFPA fire hazard:** 1-Material require considerable pre-heating under all ambient conditions before ignition and combustion can occur.

**NFPA reactivity:** 0-Normally stable, even under fire exposure conditions, and not reactive with water



## Safety Data Sheet

### Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. **Super Stone Inc. makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Super Stone Inc.,** except that the product shall conform to Super Stone's specification.