



VSC Color Additives

SECTION 1 – IDENTIFICATION

PRODUCT NAME: VSC COLOR ADDITIVES
 IDENTIFICATION NUMBER: CA001, CA002, CA007, CA009, CA010, CA011, CA013, CA014, CA016, CA020, CA029, CA031, CA032, CA0CR, CA0DG, CA0CG, CA0DDb, CA0DB, CA0DO
 SUPPLIER/MANUFACTURER: VANBERG SPECIALIZED COATINGS
 10705 COTTONWOOD ST
 LENEXA, KS 66215-2032
 EMERGENCY REPOSE: 1-800-255-3924
 PREPARER: VSC
 PHONE: 913-599-5939
 PREPARE DATE: AUGUST 27, 2015
 INTEDNED USE: INDUSTRIAL FLOOR COATINGS

SECTION 2 – HAZARDS IDENTIFICATION



GHS Classification

Skin Corrosion/Irritation, Category 2
 Skin Sensitization, Category 1
 Serious Eye Damage/Eye Irritation, Category 2
 Aquatic Toxicity (Chronic), Category 2
 long lasting effects

Placard

Exclamation point
 Exclamation point
 Exclamation point
 Pollution

Key word

Warning
 Warning
 Warning

GHS hazard phrase

Causes skin irritation
 May cause an allergic skin reaction
 Causes serious eye irritation
 Toxic to aquatic life with

GHS Hazard Phrases

H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases

P202 - Do not handle until all safety precautions have been read and understood.
 P262 - Do not get in eyes, on skin, or on clothing.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P273 - Avoid release to the environment.

GHS Response Phrases

P302+352 - IF ON SKIN: Wash with plenty of soap and water. P362 - Take off contaminated clothing. P333+313 - If skin irritation or rash occurs, seek medical advice/attention. P363 - Wash contaminated clothing before reuse.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P314 - Get medical attention/advice if you feel unwell.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P330 - Rinse mouth. P310 - Immediately call a POISON CENTER or doctor/physician.

P391 - Collect spillage.

GHS Storage and Disposal Phrases

P404 - Store in a closed container.

P501 - Dispose of contents/container to local, state, and federal authority requirements.

Potential Health Effects (Acute and Chronic)

Can cause severe eye irritation.

Causes skin irritation.

May cause allergic skin reaction.

May cause sensitization by skin contact.

Hazards Material Information System (United States):

Health	2
Flammability	1
Physical Hazard	0

Hazard Codes: Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4= Severe Hazard

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS #	Concentration
Bisphenol-a based epoxy resin	25068-38-6	45 - 75 %
Titanium dioxide	13463-67-7	20 - 50 %
Iron oxide (Fe ₂ O ₃)	1309-37-1	0 - 25 %
C.I. Pigment Yellow 42	51274-00-1	0 - 25 %
Carbon black	1333-86-4	0 - 25 %
Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	1.0 - 10 %

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures

In Case of Inhalation

Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Get medical advice/attention.

In Case of Skin Contact

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact

Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion

IF SWALLOWED: Do not induce vomiting. Rinse mouth with water. Get medical attention immediately.

Signs and Symptoms Of Exposure

No Data Available.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Pt: > 200.00 F Method Used: Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data available.

Fire Fighting Instructions

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Containers can build up pressure if exposed to heat (fire).

Flammable Properties and Hazards

Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous Combustion Products

Carbon monoxide, Phenolics. Carbon dioxide.

Suitable Extinguishing Media

Use water spray, foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media

None Known.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb with sand or vermiculite and place in closed containers for disposal.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. Water polluting material. May be hazardous to the environment if released in large quantities.

SECTION 7 – HANDLING & STORAGE

Hazard Label Information:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Store away from incompatible material. Store in a closed container.

Precautions To Be Taken in Handling

Do not get in eyes or on skin and clothing. Do not inhale vapors. Provide adequate ventilation. Wear all personal protection required in section 8.

Precautions To Be Taken in Storing

Store in a cool, dry place. Keep container closed when not in use.

Other Precautions

Read product SDS and all labels before use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS
Bisphenol-a based epoxy resin	25068-38-6	No data.	No data.	No Data.
Titanium dioxide	13463-67-7	15 (dust) mg/m ³	10 mg/m ³	No Data.
Iron oxide (Fe ₂ O ₃)	1309-37-1	10 mg/m ³	5 mg/m ³ (dust & fume)	No Data.
C.I. Pigment Yellow 42	51274-00-1	No data.	No data.	No Data.
Carbon black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	No Data.
Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	No data.	No data.	No Data.

Protective Equipment Summary - Hazard Label Information:

Wear all personal protection required

Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment

shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection

Safety glasses, or goggles.

Protective Gloves

Chemical resistant gloves. Nitrile rubber and Neoprene are recommended.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash thoroughly after handling. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Water polluting material. May be hazardous to the environment if released in large quantities. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical States: Gas Liquid Solid

Melting Point: No data.

Boiling Point: > 300.00 C

Autoignition Pt: No data.

Flash Pt: > 200.00 F Method Used: Closed Cup

Specific Gravity (Water = 1): ~ 1.641 - 1.765

Density: ~ 13.69 - 14.72

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: No data.

Solubility Notes

Practically insoluble.

Percent Volatile: N.A.

Appearance and Odor

Epoxy odor.

Liquid. Various Colors.

SECTION 10 – STABILITY & REACTIVITY

Stability: Unstable Stable

Reactivity

Avoid: acids, alkalis, oxidizing agents.

Conditions To Avoid - Instability

Extreme temperatures.

Incompatibility - Materials To Avoid

Avoid strong acids, bases, and oxidizing agents. Avoid uncontrolled contact with amines.

Hazardous Decomposition Or Byproducts

Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide.

Possibility of Hazardous Will occur Will not occur

Polymerization:

Conditions To Avoid - Hazardous Reactions

Will not undergo hazardous polymerization in normal storage conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Information

May cause sensitization by skin contact.

Chronic Toxicological Effects

Skin sensitization.

Irritation or Corrosion

Irritating to eyes. Skin Irritation.

Symptoms related to Toxicological Characteristics

Prolonged or repeated contact may cause skin irritation with local redness. May cause allergic reactions. May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray. May cause skin sensitization.

Sensitization

Skin sensitization.

INGREDIENT NAME	CAS #	NTP	IARC	ACGIH	OSHA
Bisphenol-a based epoxy resin	25068-38-6	N.A.	N.A.	N.A.	N.A.
Titanium dioxide	13463-67-7	N.A.	2B	A4	N.A.
Iron oxide (Fe ₂ O ₃)	1309-37-1	N.A.	3	A4	N.A.
C.I. Pigment Yellow 42	51274-00-1	N.A.	N.A.	N.A.	N.A.
Carbon black	1333-86-4	N.A.	2B	A4	N.A.
Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	N.A.	N.A.	N.A.	N.A.

SECTION 12 – ECOLOGICAL INFORMATION

General Ecological Information

Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

Not reported.

Persistence and Degradability

Not readily biodegradable.

Bioaccumulative Potential

No data available.

Mobility in Soil

not reported, unknown.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

SECTION 14 – TRANSPORT INFORMATION

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name

(Non-Bulk)

Not Regulated.

(Bulk)

PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

PRECAUTIONARY LABEL

Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

AIR TRANSPORT (ICAO/IATA)

(Non-Bulk)

Not Regulated.

(Bulk)

PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

ICAO/IATA Shipping Name

MARINE TRANSPORT (IMDG/IMO)

PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s. (EPOXY RESIN) MARINE POLLUTANT.

Note: The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. Shipment compliance is the responsibility of the person offering the product for transport.

IMDG/IMO Shipping Name

IMDG EMS Number: FA-SF

Marine Pollutant: Yes

SECTION 15 – REGULATORY INFORMATION

INGREDIENT NAME	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
Bisphenol-a based epoxy resin	25068-38-6	NO	NO	NO	NO
Titanium dioxide	13463-67-7	NO	NO	NO	NO
Iron oxide (Fe2O3)	1309-37-1	NO	NO	NO	NO
C.I. Pigment Yellow 42	51274-00-1	NO	NO	NO	NO
Carbon black	1333-86-4	NO	NO	NO	NO
Oxirane, Mono.((C12-14-alkyloxy)methyl). derivs.	68609-97-2	NO	NO	NO	NO

Regulatory Information

SARA Section 311/312: Acute, Chronic Health Hazard.

SECTION 16 – OTHER INFORMATION

CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

END OF SDS