



# SAFETY DATA SHEET

## Flat Zero VOC

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>DATE ISSUED :</b>	9/25/2017
<b>SDS REF. No :</b>	1411/150

**PRODUCT NAME:** SAFECOAT FLAT ZERO VOC

**PRODUCT CODE:** 1411

**SYNONYMS:**

**CAS NUMBER:**

**PRODUCT USE:** COATING

#### MANUFACTURER

American Formulating & Manufacturing  
3251 Third Avenue  
San Diego, CA,  
(619) 239-0321

#### 24 HR. EMERGENCY TELEPHONE NUMBER

**CHEMTREC (US Transportation):** (800)424-9300  
**CHEMTREC (International Transportation) :** 1(202)483-7616

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE :** Liquid

**IMMEDIATE CONCERNS :** May cause eye, skin and respiratory tract irritation. May cause asphyxiation, or brain, lung or other organ injury if inhaled, swallowed or absorbed by the skin.

#### POTENTIAL HEALTH EFFECTS

**EYES :** Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**SKIN :** Liquid may be irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). Liquid not likely to be absorbed through the skin.

**SKIN ABSORPTION :** Liquid is moderately irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). Liquid may be absorbed through the skin.

**INGESTION :** Ingestion may cause irritation and damage to mucous membranes.

**INHALATION :** Vapors may be irritating to the nose, throat, and respiratory tract. Prolonged inhalation may cause headaches or nausea.

**CHRONIC :** No chronic health concerns known.

#### CARCINOGENICITY :

This material is not currently known to have carcinogenic properties.

#### MUTAGENICITY :

This material is not known to have mutagenic effects on genetic material.



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#### REPRODUCTIVE TOXITY

**REPRODUCTIVE EFFECTS :** This material is not known to cause any reproductive system damage.

**TERATOGENIC EFFECTS :**

This material is not known to contain any teratogenic substances.

**IRRITANCY:**

This material may cause irritation to the eyes, skin, and respiratory tract. Use correct PPE when handling this material.

#### CLASSIFICATION :

#### PICTOGRAMS :



**SIGNAL WORD :** WARNING

#### HAZARD STATEMENTS :

- 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.

**PRECAUTIONARY STATEMENTS :** P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
Water	7732-18-5	30-35
Acrylic Copolymer	Mixture	20-25
Titanium Dioxide	13463-67-7	15-20
Limestone	1317-65-3	10-15
Aluminum Silicate	1332-58-7	0-10



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No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

THE FORMULATION OF THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM."

#### 4. FIRST AID MEASURES

**EYES :** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical aid if irritation persists.

**SKIN :** Flush skin with soap and water while removing contaminated clothing. If irritation occurs, seek immediate medical attention. Do not reuse clothing or shoes until thoroughly cleaned.

**INGESTION :** Do not induce vomiting, and seek immediate medical attention. Do not attempt to give any liquids if victim is unconscious.

**INHALATION :** Immediately remove victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

#### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS :** No further relevant information available.

**EFFECTS :** No further relevant information available.

**NOTES TO PHYSICIAN :** If the victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD :** Not applicable

**AUTO-IGNITION TEMPERATURE :**

**SUITABLE EXTINGUISHING MEDIA :** Use water fog, "alcohol" foam, dry chemical, or CO<sub>2</sub>.

**UNSUITABLE EXTINGUISHING MEDIA :** None known.

**FIRE FIGHTING PROCEDURES :** Clear the fire area of unprotected personnel. Do not enter confined fire space without full bunker gear; including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water. If water is used, fog nozzles are preferred.



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**UNUSUAL FIRE AND EXPLOSION HAZARD :** Material can splatter above 100C/212F. Dried product can burn.

**COMBUSTION PRODUCTS :** Unknown

#### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES :** Ventilate area of leak or spill for at least 24 hours or until it has been declared safe. Stop the leak if there is no risk involved. Clean-up personnel require protective clothing and respiratory protection from vapors. Absorb liquid with inert material. Only specially trained or qualified personnel should handle the emergency.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL :** Keep material out of storm sewers and ditches which lead to waterways.

**LAND SPILL :** Contact applicable authorities and determine applicable regulations based on SDS information.

**AIR RELEASE :** Contact applicable authorities and determine applicable regulations based on SDS information.

#### PERSONAL PRECAUTIONS :

For non-emergency personnel:

**PROTECTIVE EQUIPMENT :** 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).

**EMERGENCY 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).

**METHOD OF CLEANING UP :** Clean up spills immediately and dispose of waste safely.

#### 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING :** Avoid Freezing. Avoid contact with bacteria, fungus, or other microorganisms. Keep container closed when not in use to avoid skinning and microorganism contamination.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES :** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not



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pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

#### 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

##### OSHA TABLE COMMENTS:

NL = Not Listed

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**EXPOSURE LIMITS :** None

**ENGINEERING CONTROLS :** Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

##### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE :** Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**SKIN :** Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**RESPIRATORY :** If exposure may or does exceed occupational exposure limits (Section 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**WORK HYGIENIC PRACTICES :** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**OTHER USE PRECAUTIONS :** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**COMMENTS :** May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE :** Liquid



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**COLOR** : White

**ODOR** : Mild

**EVAPORATION RATE** : Slower than ether

**BOILING POINT** : 212F

**VAPOR DENSITY** : Heavier than air

**VOLATILE ORGANIC COMPOUNDS:** Coatings: 0.0 g/l Material: 0.0 g/l

(VOC Theoretical – As Packaged)

**HAZARDOUS AIR POLLUTANTS (HAP's)** : N/A

(HAP's Theoretical – As Packaged)

**SOLUBILITY IN WATER** : Dilutable

**DENSITY (LB/GAL)** : 11.55

**EVAPORATION RATE** : N/A

**SPECIFIC GRAVITY** : 1.39

#### 10. STABILITY AND REACTIVITY

**STABILITY** : Yes

**HAZARDOUS POLYMERIZATION** : Will not occur.

**CONDITIONS TO AVOID** : Avoid Freezing

**POLYMERIZATION** : Avoid heat, flame, and other sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**INCOMPATIBLE MATERIALS** : None known

**POSSIBILITY OF HAZARDOUS REACTIONS** : None under normal conditions of use.

#### 11. TOXICOLOGICAL INFORMATION



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### ACUTE TOXICITY VALUES :

### TOXICOLOGICAL INFORMATION

LD50 Dermal	Rabbit - > 10000 mg/kg
LD50 Oral	Rat - > 10000 mg/kg

**SIGNS AND SYMPTOMS OF OVEREXPOSURE :** None identified

### ACUTE EFFECTS :

**EYE :** Causes Serious Eye Irritation

**SKIN :** Causes skin irritation. Allergic reactions are possible.

**INHALATION :** Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**INGESTION :** Harmful if swallowed.

**TARGET ORGAN :** Data Not Available

**CHRONIC EFFECTS :** Relevant data not available.

### SYMPTOMS OF RELATED

**PHYSICAL :** Data Not Available

**CHEMICAL :** Data Not Available

**TOXICOLOGICAL CHARACTERISTICS :** Data Not Available

**DELAYED AND IMMEDIATE EFFECTS :** Data Not Available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No further relevant information available



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**PERSISTENCE AND DEGRADABILITY :** No further relevant information available

**BIO-ACCUMULATIVE POTENTIAL :** BP\_BIAP

**MOBILITY :** No further relevant information available

**OTHER ADVERSE EFFECTS :** No further relevant information available

#### ECOLOGICAL INFORMATION

EC0	Daphnia magna (Water flea) - 101 mg/l - 48 h
EC50	Daphnia magna (Water flea) - > 100 mg/l - 48 h
LC50 Fish	- other fish - > 1.000 mg/l - 96 h

#### 13. DISPOSAL CONSIDERATIONS

##### WASTE TREATMENT METHODS

**PRODUCT/PACKAGING DISPOSAL :** The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

**WASTE TREATMENT OPTIONS AND RECOMMENDATIONS:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**WASTE CODE/WASTE DESIGNATIONS ACCORDING TO EWC/AVV :** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.





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**SAFE HANDLING** : Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**TECHNICAL NAME** : Not regulated as a hazardous material by DOT.

**UN NUMBER** : N/A

**ICAO/IATA** : Not regulated

**IMDG/IMO** : Not regulated

**UN PROPER SHIPPING NAME** : N/A

**TRANSPORT HAZARD CLASS** : N/A

**PACKING GROUP** : N/A

**MARINE POLLUTANT** : N/A

**SPECIAL PRECAUTIONS** : N/A

**\*\*\* American Formulating & Manufacturing verifies that the material was supplied and shipped in the proper packages in accordance with DOT and federal regulations that are applicable to the mode of transportation selected. The shipper must verify that the packaging supplied is acceptable to be re-shipped in per the federal regulations applicable to the mode of transportation for reshipment. Regulations may change depending on mode of transportation selected.\*\*\***

### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** This product is not listed.

**FIRE** : Yes                      **PRESSURE GENERATING** : No

**REACTIVITY** : No      **ACUTE** : Yes      **CHRONIC** : Yes

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, this product is not listed as a toxic chemical.

**302/304 EMERGENCY PLANNING**

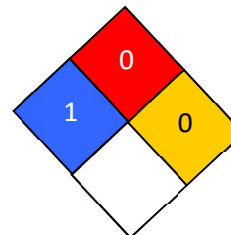
**EMERGENCY PLAN:** To the best of our knowledge, this product is not listed as a toxic chemical.

**OTHER REGULATION :** No Data Available

## 16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	0
Personal Protection :	B

### NFPA CODES



**REVISION INDICATOR :** N/A

**MANUFACTURER DISCLAIMER :** To the best of our knowledge, all information, recommendations, and suggestions appearing herein concerning this product are taken from raw material sources or based upon data believed to be reliable. Although reasonable care has been taken in the preparation of this information American Formulating & Manufacturing extends no guarantees, express or implied, makes no representations and assumes no responsibility as to the accuracy, reliability or completeness of the information presented. American Formulating & Manufacturing assumes no liability arising out of the use of the product by others.

### Legend

ACGIH: American Conference of Governmental Industrial Hygienists

CAS No.: Chemical Abstract Service Registry Number

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)

CPR: Controlled Product Regulations (Canada)

DOT: Department of Transportation (U.S.)

EPA: Environmental Protection Agency (U.S.)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

HEPA: High-Efficiency Particulate Air

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods code

LPP: Limité Permissible Ponderado (Chile)

NIOSH: National Institute of Occupational Safety and Health (U.S.)

NFPA: National Fire Protection Association (US)

NTP: National Toxicology Program (US)

OSHA: Occupational Safety and Health Administration (U.S.)

PEL: Permissible Exposure Limit

SARA: Superfund Amendments and Reauthorization Act (U.S. EPA)

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit (15 minute Time Weighted Average)

STOT: Specific Target Organ Toxicity (GHS Classification)

TLV: Threshold Limit Value

TSCA: Toxic Substances Control Act (U.S.)

TWA: Time Weighted Average (exposure for 8-hour workday)

U.S.: United States

VOC: Volatile Organic Compounds

WHMIS: Canadian Workplace Hazardous Materials Information System