

ADVANCED MOISTURE CONTROL, INC.

SAFETY DATA SHEET

Vapor-Green FC Date: February 29, 2016 Revised: None Revision: 0 Page 1 of 12

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

SECTION 1 - PRODUCT IDENTIFICATION

Product Identifier: Information on container label

Product name: **Vapor-Green FC - Part A - Activator**

Product code: FC Series

Other Name Identifiers: Discontinued name: Vapor-Guard DC, changed in 2009

Product Application: Always consult with manufacturer for instructions and usage on product

Recommended usage: Moisture control coating for concrete slab surfaces

Recommended users: Professional or industrial use only

Application: Roll on application only

Supplier / Manufacturers: Advanced Moisture Control, Inc. www.vaporsafe.com (949) 788-1490

Mailing address: 16787 Beach Blvd., Suite 511, Huntington Beach, CA 92647

Emergency Contact Number: Chemtrec www.chemtrec.com

24-hour hotline 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

Classification:

OSHA Regulatory Status: This chemical product has the following hazard characteristics according to the OSHA Hazard Communication Standard # 29 CFR 1910.1200:

A.1 - Acute toxicity:	N/A
A.2 - Skin corrosion / irritation:	Cat 2
A.3 - Serious eye damage / eye Irritation:	Cat 2A
A.4 - Respiratory or skin sensitization:	Cat 1
A.5 - Germ cell mutagenicity:	Cat 2
A.6 - Carinogenicity:	N/A
A.7 - Reproductive toxicity:	N/A
A.8 - Specific target organ toxicity single exposure:	Cat 3
A.9 - Specific target organ toxicity repeat exposure:	N/A
A.10 -Aspiration hazard:	N/A

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Labeling Elements:

Contains following hazard warnings:

Warning Label:

Risk of skin irritation. Risk of eye irritation. May cause allergic reactions.
May cause respiratory irritation. Material is a clear, odorless liquid

Other Information:

Always refer to manufacturer's instructions and specifications prior to use. Refer to Section 8 below for handling and usage. If skin or eye contact is made, immediately flush with water. If irritation develops, consult a physician. Use adequate ventilation procedures and have available tap water on site during use.

SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS

Components:

Part A Only:

Diglycidyl ether of bisphenol-A	CAS Number: 25068-38-6	70-80% by weight
Oxirane, mono derivatives	CAS Number: 68609-97-1	10-20% by weight
Oxirane	CAS Number: 2210-79-9	10-20% by weight

Note: Exact percentages by weight are reserved and regarded as trade-secrets.

SECTION 4 - FIRST AID MEASURES

Common sense advice:

Always maintain updated copies of safety data sheets for all products and have them accessible to others in case of medical emergency. Use precaution when using any liquid chemical substance. Follow manufacturer's directives and specifications precisely. This Part-A component should be wiped off skin immediately. Do not use solvents to clean up. For spills in general, absorbents should be used such as sawdust or sand, then disposed of properly.

General precautions:

When in doubt, contact manufacturer before opening containers.

Inhalation:

High concentrations of vapors or aerosols of any kind may cause nausea and irritation of the nose, throat and respiratory tract. Always ensure proper ventilation. Move exposed persons to areas of fresh air and monitor breathing. Consult a physician if symptoms persist.

Eye contact:

This material may be an eye irritant. Direct eye contact with the liquid may cause stinging, tearing and redness. Flush eyes thoroughly with water. If eye irritation persists, consult a physician.

Skin contact:

This material may irritate sensitive skin. Wipe material off immediately with a clean rag and then rinse skin with water if irritated. Consult a physician if any skin issues develop.

Swallowed:

Ingestion may cause irritation of digestive tract. Seek medical help immediately. Do not induce vomiting or provide water unless directed by a physician.

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SECTION 5 - FIRE FIGHTING MEASURES

Proper extinguishing media:

Dry chemical, CO2, water jet or foam.

Specific precautions or hazards:

Avoid ground contamination. Heavily diluted Part B material (mixed or not) will not contaminate environment.

Protective gear and equipment:

Use self-contained breathing devices when fighting any fire.

Fire fighting methods:

Use water spray to cool down liquid containers or metal cans. Part A is packaged in (typically) one-gallon metal containers that can become heated in a fire. Use water spray to cool containers.

SECTION 6 - SPILL, LEAK MEASURES

Spill response procedures:

Spilled material may be absorbed into an appropriate absorbent. Use impermeable gloves/clothing as needed.

Preparing wastes for disposal:

Spilled material should be contained into suitable liquid holding containers. Contact appropriate state/local agencies for disposal method. NOTE: Always dispose of waste in accordance with federal, state and local regulations.

Accidental contact:

Wipe up material with a clean rag and follow with soap and water. Do not use any kind of solvents to clean up.

SECTION 7 - HANDLING AND STORAGE

Ventilation:

If current ventilation practices are not adequate, additional ventilation or exhaust systems may be utilized.

Work environment:

Follow good hygienic practices such as washing hands and saturated clothing before wearing.

Storage requirements:

Keep product containers closed when not in use. Avoid subjecting this product to extreme temperature variations. Keep from freezing. Do not store in any kind of area that will reach 100 degrees or more. Properly dispose of material if more than one year old. If material turns white, do not use. Discard properly.

Maintenance:

Always use prudent hygienic and handling practices. Clean spills using absorbent.

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SECTION 8 - EXPOSURE CONTROLS FOR PERSONAL PROTECTION

Respiratory protection:

None required. However respiratory protection may be useful in areas with poor ventilation or for users with sensitivities.

Eye protection:

Use approved eye protection to safeguard against potential eye contact.

Ventilation:

Provide general dilution or local exhaust ventilation in volume and pattern when using this product or any other chemical material.

Gloves:

The use of impermeable gloves is advised for sensitive skin.

Other clothing:

Impervious, expendable clothing should be worn as needed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General properties:

Any properties not listed here do not have data available.

Product Class:	Liquid epoxy resin
Appearance and odor:	This is a clear, transparent syrup like liquid with no strong odors
Vapor density:	Heavier than air.
Flashpoint:	213 degrees F.
Solubility in water:	Not soluble in unmixed state
Volatile Organic Content (VOC) =	<70 g/l
Percent of solids by weight:	100%
Density:	9.3 lb/gal

SECTION 10 - STABILITY AND REACTIVITY

General properties:

Part A of two-part material, in unmixed state

Reactivity:	None
Stability:	Stable
Hazardous polymerization:	Does not occur
Hazardous decomposition products:	Smoke, carbon oxides
Conditions / materials to avoid:	Epoxy can react with heat. Keep away from fire sources and oxidizing agents and acids.

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SECTION 11 - TOXICOLOGICAL INFORMATION

General notes:

There is no known toxicological information available. This product is not known to be a carcinogen. Product is not tested for carcinogens by IARC, NTP or OSHA. Product contains a component that is classified as a skin irritant. No studies have been conducted on the product. Product contains a component that is classified as mutagen. No testing has been conducted on the product.

Known routes of exposure:

Symptoms of over exposure:

Inhalation:

May irritate respiratory tract.

Ingestion:

Swallowing may cause irritation and reaction. Keep away from children. If ingested, contact physician and provide this Safety Data Sheet.

Dermal:

Irritating to skin if left exposed. Wipe off with clean rag and wash skin.

Eye contact:

Irritating to eyes. Wash eyes thoroughly. Consult a physician if redness or other sensitivity continues.

Toxicology:

No information available. Not tested or classified as of this SDS date.

SECTION 12 - ECOLOGICAL INFORMATION

General properties:

This product contains zero (0) percent of mixture of components on the list of unknown hazards that are hazardous to marine environments.

SECTION 13 - DISPOSAL CONSIDERATIONS

General properties:

Waste disposal of any chemical product must be in compliance with Federal, State and local laws. This product in the unmixed or uncured state, can be disposed of using a licensed specialists in chemical recovery. Do not throw into trash containers or land fills. Product may be combined with sand, walnut shell or other absorbents before discarding if only disposing of used containers. This product when mixed properly with its sister-component can be diluted with water and rendered harmless.

SECTION 14 - TRANSPORTATION INFORMATION

General properties:

This product is shipped in small portions only as part of a component to a much much larger product. This product is shipped in quantities less than 100 individual gallons and therefore is shipped as non-regulated freight.

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SECTION 15 - REGULATORY INFORMATION

Federal regulations:

This product is considered hazardous under the OSHA HCS. Always follow the manufacturer's specifications when using any epoxy based product.

General Information:

Per SARA hazard categories. Note: This product is not subject to SARA 313

Immediate effects:

Yes. Always use precaution when handling any chemical substance.

Delayed (chronic) effects;

Yes. Follow Section 8 of this SDS on exposure to substances.

Flammable:

No

Reactive:

No

SECTION 16 - OTHER INFORMATION

General information:

This product information is based on data available to us and provided to our customers in compliance with regulations. This data sheet does not replace the manufacturer's instructions, specification or other application data. Always review such information before opening the container of this product. Advanced Moisture Control, Inc. assumes no liability for any injury, damage, direct or indirect consequential use and is not in control of users of the product. We offer substantial information, training and application information. Do not use this product unless authorized to do so. We assume no risk for any damages directly or consequential to the use of this material substance.

Creation or update:

This Safety Data Sheet for Vapor-Green FC Part A Activator was created on February 29, 2016 to comply with new international formats.

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Revised: None

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SECTION 1 - PRODUCT IDENTIFICATION

Product Identifier:

Information on container label

Product name:

Vapor-Green FC - Part B Component

Product code:

FC Series

Other Name Identifiers:

Discontinued name: Vapor-Guard DC, changed in 2009

Product Application:

Always consult with manufacturer for instructions and usage on product

Recommended usage:

Moisture control coating for concrete slab surfaces

Recommended users:

Professional or industrial use only

Application:

Roll on application only

Supplier / Manufacturers:

Advanced Moisture Control, Inc. www.vaporsafe.com (949) 788-1490

Mailing address:

16787 Beach Blvd., Suite 511, Huntington Beach, CA 92647

Emergency Contact Number:

Chemtrec www.chemtrec.com

24-hour hotline

1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

Classification:

OSHA Regulatory Status:

This chemical product has the following hazard characteristics according to the OSHA Hazard Communication Standard # 29 CFR 1910.1200:

A.1 - Acute toxicity from oral ingestion:	Cat 4
A.2 - Skin corrosion / irritation:	Cat 2
A.3 - Serious eye Damage / eye Irritation:	Cat 1
A.4 - Respiratory or skin sensitization:	N/A
A.5 - Germ cell mutagenicity:	N/A
A.6 - Carinogenicity:	N/A
A.7 - Reproductive toxicity:	N/A
A.8 - Specific target organ toxicity single exposure:	Cat 1
A.9 - Specific target organ toxicity repeat exposure:	Cat 1
A.10 -Aspiration hazard:	N/A

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Revised: None

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Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Labeling Elements:

Contains following hazard warnings:

Warning Label:

Risk of skin irritation. Risk of eye irritation. May cause allergic reactions. May cause respiratory irritation. Material is a pigmented (white) liquid with a slight paint-like odor

Other Information:

Always refer to manufacturer's instructions and specifications prior to use. Refer to Section 8 below for handling and usage. If skin or eye contact is made, immediately flush with water. If irritation develops, consult a physician. Use adequate ventilation procedures and have available tap water on site during use.

SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS

Components:

Part B Only:

Polyethylene polyamine adduct	CAS Number: Proprietary	25% by weight
Polyoxyethanol	CAS Number: 2807-30-9	10% by weight
Acetic acid	CAS Number: 64-19-7	1-5% by weight
Mineral fillers	CAS Number: None	varies

Note: Exact percentages by weight are reserved and regarded as trade-secrets.

SECTION 4 - FIRST AID MEASURES

Common sense advice:

Always maintain updated copies of safety data sheets for all products and have them accessible to others in case of medical emergency. Use precaution when using any liquid chemical substance. Follow manufacturer's directives and specifications precisely. If skin contact is made, wash off with water.

General precautions:

When in doubt, contact manufacturer before opening containers.

Inhalation:

This product (and when mixed with Part A) produces a slight "wet paint like" odor and is generally not irritating. If a person shows signs of inhalation, move them to fresh air, consult a physician if in doubt.

Eye contact:

Direct eye contact with the liquid may cause stinging, tearing and redness. Flush eyes thoroughly with water. If eye irritation persists, consult a physician.

Skin contact:

This material may irritate sensitive skin. Wipe material off immediately with a clean rag and then rinse skin with water if irritated. Consult a physician if any skin issues develop.

Swallowed:

Ingestion may cause irritation of digestive tract. Seek medical help immediately. Do not induce vomiting or provide water unless directed by a physician.

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SECTION 5 - FIRE FIGHTING MEASURES

Proper extinguishing media:

Dry chemical, Co2, water jet or foam.

Specific precautions or hazards:

Avoid ground contamination. Heavily diluted Part B material (mixed or not) will not contaminate environment.

Protective gear and equipment:

Use self-contained breathing devices when fighting any fire.

Fire fighting methods:

Use water spray to cool down liquid containers or metal cans. Part B is packaged in 7 gallon polyethylene containers. Polyethylene can be dangerous when burning. Always refer to standard practices for fire fighting of plastic objects.

SECTION 6 - SPILL, LEAK MEASURES

Spill response procedures:

Spilled material (mixed or not mixed with Part A activator) can be washed off in small areas with a wet rag when done immediately. Use rags or absorbents to contain larger spills.

Preparing wastes for disposal:

Spilled material should be contained into suitable liquid holding containers. Contact appropriate state/local agencies for disposal method. NOTE: Always dispose of waste in accordance with federal, state and local regulations.

Accidental contact:

Wipe up material with a clean rag and follow with soap and water. Do not use any kind of solvents to clean up.

SECTION 7 - HANDLING AND STORAGE

Ventilation:

If current ventilation practices are not adequate, additional ventilation or exhaust systems may be utilized.

Work environment:

Follow good hygienic practices such as washing hands and saturated clothing before wearing.

Storage requirements:

Keep product containers closed when not in use. Avoid subjecting this product to extreme temperature variations. Keep from freezing. Do not store in any kind of area that will reach 100 degrees or more. Properly dispose of material if more than one year old. Keep material from freezing.

Maintenance:

Always use prudent hygienic and handling practices. Clean spills using absorbent.

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Revised: None

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SECTION 8 - EXPOSURE CONTROLS FOR PERSONAL PROTECTION

Respiratory protection:

None required. However respiratory protection may be useful in areas with poor ventilation or for users with sensitivities.

Eye protection:

Use approved eye protection to safeguard against potential eye contact.

Ventilation:

Provide general dilution or local exhaust ventilation in volume and pattern when using this product or any other chemical material.

Gloves:

The use of impermeable gloves is advised for sensitive skin.

Other clothing:

Impervious, expendable clothing should be worn as needed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General properties:

Any properties not listed here do not have data available.

Product Class:

Liquid based emulsion

Appearance and odor:

This is a white (mixed color) emulsion with a slight paint like odor

Vapor density:

Heavier than air

Flashpoint:

213 degrees F.

Solubility in water:

Insoluble but can be easily diluted

Volatile Organic Content (VOC) =

60 g/l

Percent of solids by weight:

60%

Density:

8.5 lb/gal

SECTION 10 - STABILITY AND REACTIVITY

General properties:

Part B of two-part material, in unmixed state

Reactivity:

None

Stability:

Stable

Hazardous polymerization:

Does not occur

Hazardous decomposition products;

Smoke, carbon oxides

Conditions / materials to avoid:

Heat sources above 100 degrees

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SECTION 11 - TOXICOLOGICAL INFORMATION

General notes:

The following is the only known agency listings for any of the several components of this product:

Component:

Petroleum distillates, classified by IARC as a Group 1 carcinogenic to humans. Do not ingest product or any other petroleum product. There are no other known immediate or delayed effects to exposure of this product.

Known routes of exposure:

Symptoms of over exposure:

Inhalation:

May irritate respiratory tract.

Ingestion:

Swallowing may cause irritation and reaction. Keep away from children. If ingested, contact physician and provide this Safety Data Sheet.

Dermal:

Irritating to skin if left exposed. Wipe off with clean rag and wash skin.

Eye contact:

Irritating to eyes. Wash eyes thoroughly. Consult a physician if redness or other sensitivity continues.

Toxicology:

No information available. Not tested or classified as of this SDS date.

SECTION 12 - ECOLOGICAL INFORMATION

General properties:

This product contains zero (0) percent of mixture of components on the list of unknown hazards that are hazardous to marine environments.

SECTION 13 - DISPOSAL CONSIDERATIONS

General properties:

Waste disposal of any chemical product must be in compliance with Federal, State and local laws. This product in the unmixed or uncured state, can be disposed of using a licensed specialists in chemical recovery. Do not throw into trash containers or land fills. Product may be combined with sand, walnut shell or other absorbents before discarding if only disposing of used containers. This product (mixed or unmixed with activator) can be diluted with water and rendered harmless.

SECTION 14 - TRANSPORTATION INFORMATION

General properties:

The are no regulations for the shipment of this product. This product is packaged in 100% recyclable plastic containers.

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SECTION 15 - REGULATORY INFORMATION

Federal regulations:

This product is considered hazardous under the OSHA HCS. Always follow the manufacturer's specifications when using any epoxy based product.

General Information:

Per SARA hazard categories 311 and 313:

Immediate effects:

Yes. Always use precaution when handling any chemical substance.

Delayed (chronic) effects;

Yes. Follow Section 8 of this SDS on exposure to substances.

Flammable:

No

Reactive:

No

SECTION 16 - OTHER INFORMATION

General information:

This product information is based on data available to us and provided to our customers in compliance with regulations. This data sheet does not replace the manufacturer's instructions, specification or other application data. Always review such information before opening the container of this product. Advanced Moisture Control, Inc. assumes no liability for any injury, damage, direct or indirect consequential use and is not in control of users of the product. We offer substantial information, training and application information. Do not use this product unless authorized to do so. We assume no risk for any damages directly or consequential to the use of this material substance.

Creation or update:

This Safety Data Sheet for Vapor-Green FC Part B Component was created on February 29, 2016 to comply with new international formats.