

## Safety Data Sheet

### FINALCOAT HV

Safety Data Sheet dated: 02/28/2022 - version 1

Date of first edition: 02/28/2022



## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: FINALCOAT HV

Trade code: 5FV2007W5

### Recommended use of the chemical and restrictions on use

Recommended use: Acrylic paint

Restrictions on use: Not available

### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: KM Coatings Mfg.

5301 W. Mohave Street

85043 - Phoenix - AZ - USA

Phone: 602-253-1168

Responsible: Not available

### Emergency 24 hour numbers:

Chemtrec (800) 424-9300

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

Aquatic Acute 2            Toxic to aquatic life

Aquatic Chronic 2        Toxic to aquatic life with long lasting effects.

### Label elements

#### Pictograms and Signal Words



### Hazard statements:

H401                    Toxic to aquatic life

H411                    Toxic to aquatic life with long lasting effects.

### Precautionary statements:

P201                    Obtain special instructions before use.

P202                    Do not handle until all safety precautions have been read and understood.

P273                    Avoid release to the environment.

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

P308+P313            IF exposed or concerned: Get medical advice/attention.

P391                    Collect spillage.

P405                    Store locked up.

P501                    Dispose of contents/container in accordance with applicable regulations.

### Ingredient(s) with unknown acute toxicity:

None

### Hazards not otherwise classified identified during the classification process:

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a dust hazard)

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Not Relevant

#### Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

#### List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
5-10 %	TITANIUM DIOXIDE	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	Carc. 2, H351	
2.5-5 %	ZINC OXIDE	CAS:1314-13-2 EC:215-222-5 Index:030-013-00-7	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
0.49-1 %	Silica Sand	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350	

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### 4. FIRST AID MEASURES

#### Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### Most important symptoms/effects, acute and delayed

Not available

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

Treatment: Not available

(see paragraph 4.1)

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### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

None in particular.

#### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

#### Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

## Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand  
Retain contaminated washing water and dispose it.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Exercise the greatest care when handling or opening the container.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Store above freezing  
Storage temperature: Not available  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
TITANIUM DIOXIDE	OSHA			15					
	ACGIH			10					A4 - Not Classifiable as a Human Carcinogen; lower respiratory tract irritation;
	MAK	GERMANY		0.3					
	ACGIH			10					A4 - Not Classifiable as a Human Carcinogen; lower respiratory tract irritation
	MAK	AUSTRIA		5		10			
	MAK	SWITZERLAND		3					
ZINC OXIDE	OSHA			5					
	OSHA			15					
	ACGIH			2		10			metal fume fever;
	ACGIH			2		10			metal fume fever
	MAK	AUSTRIA		5					
	MAK	SWITZERLAND		3					
Silica Sand	ACGIH			0.025					A2 - Suspected Human Carcinogen; lung cancer; pulmonary fibrosis;
	ACGIH			0.025					A2 - Suspected Human Carcinogen; lung cancer; pulmonary fibrosis
	MAK	AUSTRIA		0.15					
	MAK	SWITZERLAND		0.15					

Appropriate engineering controls: Not available

### Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: liquid white/grey

Odour: mild

Odour threshold: Not Relevant

pH: 9.20

pH (water dispersion, 10%): 8.20

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: 100 °C (212 °F)

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: Not Relevant

Vapour pressure: Not Relevant

Relative density: 1.50 g/cm<sup>3</sup>

Solubility in water: easily soluble

Solubility in oil: Not Relevant

Partition coefficient (n-octanol/water): Not Relevant

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

Solid/gas flammability: Not Relevant

### Other information

Substance Groups relevant properties Not Relevant

Miscibility: Not Relevant

Fat Solubility: Not Relevant

Conductivity: Not Relevant

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## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Data not available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

No data available

### Incompatible materials

Data not available.

### Hazardous decomposition products

Data not available.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological information on main components of the mixture:

TITANIUM DIOXIDE      a) acute toxicity      LD50 Oral Rat > 10000 mg/kg

ZINC OXIDE                      a) acute toxicity                      LD50 Oral Rat > 5000 mg/kg  
LD50 Oral Rat > 5000 mg/kg

Silica Sand                      a) acute toxicity                      LD50 Oral Rat = 500 mg/kg

**Substance(s) listed on the IARC Monographs:**

TITANIUM DIOXIDE                      Group 2B  
Silica Sand                      Group 1

**Substance(s) listed as OSHA Carcinogen(s):**

TITANIUM DIOXIDE  
Silica Sand

**Substance(s) listed as NIOSH Carcinogen(s):**

TITANIUM DIOXIDE  
Silica Sand

**Substance(s) listed on the NTP report on Carcinogens:**

Silica Sand

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## 12. ECOLOGICAL INFORMATION

### Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

### List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
ZINC OXIDE	CAS: 1314-13-2 - EINECS: 215-222-5 - INDEX: 030-013- 00-7	a) Aquatic acute toxicity : LC50 Fish Danio rerio = 1.55 mg/L 96h ECHA
Silica Sand	CAS: 14808-60-7 - EINECS: 238-878-4	a) Aquatic acute toxicity : LC50 carp > 10000.00000 mg/L 72h

### Persistence and degradability

Not available

### Bioaccumulative potential

Not available

### Mobility in soil

Not available

### Other adverse effects

Not available

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging 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 nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Do not re-use empty containers.

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## 14. TRANSPORT INFORMATION

### UN number

ADR-UN number: 3082  
DOT-UN Number: UN3082  
IATA-Un number: 3082  
IMDG-Un number: 3082

### UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE)  
DOT-Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (ZINC OXIDE)  
IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE)  
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE)

### Transport hazard class(es)

ADR-Class: 9  
DOT-Hazard Class: 9  
IATA-Class: 9  
IMDG-Class: 9

### Packing group

ADR-Packing Group: III  
DOT-Packing group: III  
IATA-Packing group: III  
IMDG-Packing group: III

### Environmental hazards

Marine pollutant: Yes  
Environmental Pollutant: Not available  
DOT-RQ:

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available

### Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): 8, 146, 173, 335, IB3, T4, TP1, TP29  
DOT-Label(s): 9  
DOT-Symbol: N/A  
DOT-Cargo Aircraft: N/A  
DOT-Passenger Aircraft: N/A  
DOT-Bulk: N/A  
DOT-Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR-Label: 9  
ADR-Hazard identification number: 90  
ADR-Transport category (Tunnel restriction code): 3 (-)

Air (IATA) :

IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IATA-Label: 9  
IATA-Subsidiary hazards: -  
IATA-Erg: 9L  
IATA-Special Provisioning: A97 A158 A197 A215

Sea (IMDG) :

IMDG-Stowage Code: Category A  
IMDG-Stowage Note: -  
IMDG-Subsidiary hazards: -  
IMDG-Special Provisioning: 274 335 969  
IMDG-Page: N/A

## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

TITANIUM DIOXIDE	is listed in TSCA	Section 8b
ZINC OXIDE	is listed in TSCA	Section 8b
Silica Sand	is listed in TSCA	Section 8b

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

No substances listed

##### Section 304 - Hazardous substances:

No substances listed

##### Section 313 - Toxic chemical list:

ZINC OXIDE

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:

No substances listed

#### CAA - Clean Air Act

##### CAA listed substances:

No substances listed

#### CWA - Clean Water Act

##### CWA listed substances:

No substances listed

### USA - State specific regulations

#### California Proposition 65

##### Substance(s) listed under California Proposition 65:

TITANIUM DIOXIDE	Listed as carcinogen
Silica Sand	Listed as carcinogen

#### Massachusetts Right to know

##### Substance(s) listed under Massachusetts Right to know:

TITANIUM DIOXIDE  
ZINC OXIDE  
Silica Sand

#### Pennsylvania Right to know

##### Substance(s) listed under Pennsylvania Right to know:

TITANIUM DIOXIDE  
ZINC OXIDE  
Silica Sand

#### New Jersey Right to know

##### Substance(s) listed under New Jersey Right to know:

TITANIUM DIOXIDE  
ZINC OXIDE  
Silica Sand

### Canada - Federal regulations

#### DSL - Domestic Substances List

##### DSL Inventory:

All the substances are listed in the DSL.

#### NDSL - Non Domestic Substances List

**NDSL Inventory:**

No substances listed

**NPRI - National Pollutant Release Inventory****Substances listed in NPRI:**

No substances listed

**16. OTHER INFORMATION**

Safety Data Sheet dated: 2/28/2022 - version 1

**Additional classification information**

NFPA Health: 1 = Slight

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: Not available

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This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.



<b>Code</b>	<b>Description</b>
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.