

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
Date of issue: 10/28/2015 Revision date: 10/28/2015 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : VFI-630
Product code :

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Flashing Grade Acrylic

1.3. Details of the supplier of the safety data sheet

Volatile Free, Inc.
19500 Janacek Ct
Brookfield, WI 53045 - USA
T (800) 307-9218

1.4. Emergency telephone number

Emergency number : (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Sensization 1
Carcinogenicty 2
Hazardous to the aquatic environment, acute 3

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

May cause an allergic skin reaction. Contains materials suspected to cause cancer (bound in liquid/paint, not airborne dust). Harmful to aquatic life.

Precautionary statements (GHS-US) :

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

41% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Limestone	(CAS No) 1317-65-3	30 - 40	Not classified
Titanium dioxide**	(CAS No) 13463-67-7	1 - 5	Carc. 2**
Paraffinic Petroleum Oil	(CAS No) 64742-54-7	1 - 5	Not classified
Ammonium Hydroxide 20-30%	(CAS No) 1336-21-6	0.1 - 1	Acute toxicity 4 (Oral) Skin corrosion 1A Serious eye damage 1 Acute aquatic toxicity 1

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Name	Product identifier	%	GHS-US classification
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester	(CAS No) 10605-21-7	0.1 - 1	Germ cell mutagenicity 1B Reproductive toxicity 1B Acute aquatic toxicity 1 Chronic aquatic toxicity 1
Chloro-2-methyl-4-isothiazolin-3-one	(CAS No) 26172-55-4	0.1 - 1	

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

** These materials are bound in liquid/paint and are not airborne or in dust form.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Powder, water spray, foam, carbon dioxide.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/ spray. Do not swallow. Handle and open container with care. Use only in well-ventilated areas. When using do not eat, drink or smoke.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool. Store locked up.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Aqua Ammonia (1336-21-6)		
USA ACGIH	ACGIH TWA (ppm)	25 ppm
USA ACGIH	ACGIH STEL (ppm)	35 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	35 mg/m ³
Titanium dioxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
Limestone (1317-65-3)		
USA OSHA	OSHA PEL (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Paraffinic petroleum oil (64742-54-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ (inhalable fraction)

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Safety glasses or goggles are recommended when using product.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid.

Appearance : Viscous liquid.

Color : No data available.

Odor : No data available.

Odor threshold : No data available.

pH : No data available.

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : No data available.

Freezing point : No data available.

Boiling point : No data available.

Flash point : No data available.

Auto-ignition temperature : No data available.

Decomposition temperature : No data available.

Flammability (solid, gas) : No data available.

Vapor pressure : 0.00001 hPa estimated

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Relative vapor density at 20 °C	: No data available.
Relative density	: 0.97
Solubility	: No data available.
Log Pow	: No data available.
Log Kow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : May cause an allergic skin reaction.

VFI-630	
LD50 oral rat	>300 but ≤2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	No data available.

Aqua Ammonia (1336-21-6)	
LD50 oral rat	350 mg/kg

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rat	> 10000 mg/kg

Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Prolonged skin contact may cause temporary irritation.
Serious eye damage/irritation	: Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Suspected of cause cancer.

Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

Component	Species	Test
Ammonium Hydroxide (1336-21-6)	Gambusia affinis	LC50 (Fish) 15 mg/l, 96 hours
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)	Ictalurus punctatus	LC50 (Fish) 0.009-0.015 mg/l, 96 hours
Titanium Dioxide (13463-67-7)	Daphnia magna	EC50 (Crustacea) >1000 mg/l, 48 hours
Titanium Dioxide (13463-67-7)	Fundulus heteroclitus	LC50 (Fish) >1000 mg/l, 96 hours

12.2. Persistence and degradability

VFI-630	
Persistence and degradability	No additional information available.

12.3. Bioaccumulative potential

Component	Partition coefficient n-octanol/waer (log Kow)
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)	1.52
Isobutane (75-28-5)	2.76

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on ozone layer	: No additional information available.
Effect on the global warming	: No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
Additional information	: Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

14.1. UN number

Not applicable.

14.2. NA proper shipping name

Not applicable.

14.3. Additional information

Other information	: No supplementary information available.
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

VFI-630

Safety Data Sheet

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SECTION 15: Regulatory information

15.1. US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Chloro-2-methyl-4-isothiazolin-3-one (26172-55-4) 1.0% One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)
Ammonium Hydroxide (1336-21-6)
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)

SARA 304 Emergency release notification Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard-Yes
Delayed Hazard-Yes
Fire Hazard-No
Pressure Hazard-No
Reactivity Hazard-No

SARA 302 Extremely hazardous substance Not listed

SARA 311/312 Extremely hazardous chemical No

SARA 313 (TRI reporting) Ammonium Hydroxide (1336-21-6) 0.1-1%

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated

15.2. US State regulations

US. California Controlled Substances. CA Dept of Justice (California Health and Safety Code Section 11100)

Paraffinic Petroleum Oil (64742-54-7)
Titanium Dioxide (13463-67-7)

US. Massachusetts RTK

Ammonium Hydroxide (1336-21-6)
Calcium Carbonate (1317-65-3)
Titanium Dioxide (13463-67-7)

US. New Jersey Worker and Community RTK

Ammonium Hydroxide (1336-21-6)
Calcium Carbonate (1317-65-3)
Titanium Dioxide (13463-67-7)
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)

US. Pennsylvania Worker and Community RTK Law

Ammonium Hydroxide (1336-21-6)
Calcium Carbonate (1317-65-3)
Titanium Dioxide (13463-67-7)

US. Rhode Island RTK

Ammonium Hydroxide (1336-21-6)
Carbamic Acid, 1H-Benzimidazol-2-YL, Methyl Ester (10605-21-7)

US California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

SECTION 16: Other information

Indication of changes : None.

VFI-630

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue : 10/28/2015

Other information : None.

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