

**1. Identification**

<b>Product identifier</b>	<b>HawkFlash LiquiCap - Component A</b>
<b>Other means of identification</b>	None.
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company Name</b>	ErgonArmor, a division of Ergon Asphalt & Emulsions, Inc.
<b>Address</b>	2829 Lakeland Drive Jackson, MS 39232 USA
<b>After hours telephone number</b>	1-800-222-7122
<b>Normal work hours telephone number</b>	1-877-982-7667
<b>Website</b>	www.ergonarmor.com
<b>E-mail</b>	sds@ergon.com
<b>Emergency 24-hour telephone number</b>	CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887
<b>Information on operation hours</b>	8:00 a.m. to 5:00 p.m.

**2. Hazard(s) identification**

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wear protective gloves/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Ground/bond container and receiving equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to the environment. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of fire: Use CO2, dry chemical, or foam for extinction. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
<b>Storage</b>	Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. May form flammable/explosive vapour-mixture. This material is a static accumulator. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur. May cause damage to organs through prolonged or repeated exposure.

**Supplemental information**

None.

**3. Composition/information on ingredients****Mixtures**

Chemical name	Common name and synonyms	CAS number	%
TITANIUM DIOXIDE		13463-67-7	40 - 50
CASTOR OIL		8001-79-4	35 - 45
PROPRIETARY INGREDIENTS		N/A	10 - 20
DI-"ISONONYL" PHTHALATE		28553-12-0	< 5

**4. First-aid measures****Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Rescuers should put on appropriate protective gear. If breathing is difficult, trained personnel should give oxygen. If not breathing, give artificial respiration or give oxygen by trained personnel. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention. Call a poison center or doctor/physician. If unconscious, place in recovery position and get medical attention immediately. Maintain open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

**Skin contact**

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

**Eye contact**

Flush eyes immediately with large amounts of water. Get medical attention if irritation develops and persists.

**Ingestion**

Get medical attention. Call a poison center or doctor/physician. Have victim rinse mouth thoroughly with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

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

Choking. Fever. Shortness of breath. Discomfort in the chest. Coughing. Repeated exposure may cause skin dryness or cracking. Irritation of nose and throat. Defatting of the skin. Dermatitis. Auditory system effects may include temporary hearing loss and/or ringing in the ears. Burning sensation. Difficulty in breathing. Wheezing.

**Indication of immediate medical attention and special treatment needed**

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Induction of emesis (vomiting) is not recommended. Consider activated charcoal and/or gastric lavage. Treat symptomatically.

**General information**

Get medical attention if symptoms occur. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get on skin, clothing, or in eyes. Use personal protective equipment appropriate for handling.

**5. Fire-fighting measures****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

Flammable.

**Special protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire fighting equipment/instructions**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Do not touch or walk through spilled material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mist or vapor. Ensure adequate ventilation. Wear appropriate personal protective equipment.

### Methods and materials for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Put material in suitable, covered, labeled containers. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material.

### Environmental precautions

Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately. May be harmful to the environment if released in large quantities.

## 7. Handling and storage

### Precautions for safe handling

Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using the product.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Keep out of the reach of children. Avoid heat, sparks, open flames and other ignition sources.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m <sup>3</sup>	Total dust.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

#### US. ACGIH Threshold Limit Values

Components	Type	Value
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Provide adequate ventilation. Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Use explosion-proof equipment. The engineering controls also need to keep gas, vapor, or dust concentration below any lower explosive limits.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield.

#### Skin protection

##### Hand protection

Polyvinyl alcohol gloves are recommended.

##### Other

Use protective gloves, goggles and suitable protective clothing. Full Face Shield. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Recommended gloves include rubber, neoprene, nitrile or viton. The use of polyvinyl alcohol (PVA) gloves is recommended. Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

#### Respiratory protection

Do not breathe dust/fume/gas/mist/vapors/spray. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Wear suitable respiratory protection. If an air purifying respirator is appropriate, use one equipped with cartridges rated for organic vapors.

#### Thermal hazards

Not available.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Launder contaminated clothing before reuse. Avoid breathing vapors from heated material. Do not get in eyes, on skin, on clothing. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Use only in a well ventilated area.

**9. Physical and chemical properties**

<b>Appearance</b>	Pigmented.
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	White.
<b>Odor</b>	Like Vegetable Oil.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	11.00 - 12.00 lb/gal
<b>Specific gravity</b>	1 - 1.5
<b>VOC</b>	0 lb/gal

**10. Stability and reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing substances.
<b>Hazardous decomposition products</b>	No decomposition products are expected to form during normal storage. Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Harmful if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Decrease in blood pressure, changes in heart rate, and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Eye contact</b>	Dust in the eyes will cause irritation. May cause tearing, burning sensation and redness.
<b>Ingestion</b>	May be harmful or fatal if swallowed. Irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
DI-"ISONONYL" PHTHALATE (CAS 28553-12-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 4.4 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 10 g/kg

**Skin corrosion/irritation** May be irritating to the skin.

**Serious eye damage/eye irritation** May be irritating to eyes.

#### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

#### Carcinogenicity

##### IARC Monographs. Overall Evaluation of Carcinogenicity

TITANIUM DIOXIDE (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

##### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

##### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** Central nervous system. Respiratory system. May cause drowsiness and dizziness. Narcotic effects.

**Specific target organ toxicity - repeated exposure** Kidneys. Central nervous system. Liver. Ears.

**Aspiration hazard** Not available.

## 12. Ecological information

### Ecotoxicity

Product	Species	Test Results	
HawkFlash LiquiCap - Component A			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	1.1994 mg/l, 48 hours estimated
Fish	LC50	Fish	13.9124 mg/l, 96 hours estimated

Components	Species	Test Results
DI-"ISONONYL" PHTHALATE (CAS 28553-12-0)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) > 0.06 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) > 0.1 mg/l, 96 hours
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulative potential</b>	Not available.	
<b>Mobility in soil</b>	Not available.	
<b>Other adverse effects</b>	Not available.	

### 13. Disposal considerations

<b>Disposal instructions</b>	All wastes must be handled in accordance with local, state and federal regulations. Material should be recycled if possible. 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. Do not allow this material to drain into sewers/water supplies. DO NOT pressurize, cut, heat, or weld containers; they may explode and cause injury or death. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Waste packaging should be recycled. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
<b>Waste from residues / unused products</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Dispose of container and unused contents in accordance with federal, state, and local requirements. DO NOT pressurize, cut, heat, or weld containers; they may explode and cause injury or death. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

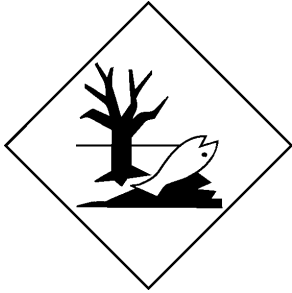
### 14. Transport information

<b>DOT</b>	
<b>UN number</b>	UN1263
<b>UN proper shipping name</b>	Paint related material including paint thinning, drying, removing, or reducing compound, MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Not available.
<b>Special provisions</b>	B1, B52, IB3, T2, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	173
<b>Packaging bulk</b>	242
<b>IATA</b>	
Not regulated as dangerous goods.	
<b>IMDG</b>	
Not regulated as dangerous goods.	
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

DOT



Marine pollutant



## 15. Regulatory information

### US federal regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### TSCA Chemical Action Plans, Chemicals of Concern

DI-"ISONONYL" PHTHALATE (CAS 28553-12-0) Phthalates Action Plan

#### CERCLA Hazardous Substance List (40 CFR 302.4)

DI-"ISONONYL" PHTHALATE (CAS 28553-12-0) Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**Classified hazard categories** Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### 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.

### US state regulations

#### California Proposition 65

##### California Proposition 65 - CRT: Listed date/Carcinogenic substance

DI-"ISONONYL" PHTHALATE (CAS 28553-12-0) Listed: December 20, 2013

TITANIUM DIOXIDE (CAS 13463-67-7) Listed: September 2, 2011

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

DI-"ISONONYL" PHTHALATE (CAS 28553-12-0)

TITANIUM DIOXIDE (CAS 13463-67-7)

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	03-28-2019
<b>Version #</b>	01
<b>NFPA ratings</b>	Health: 0 Flammability: 0 Instability: 0
<b>Disclaimer</b>	Not available.
<b>Revision information</b>	Product and Company Identification: Alternate Trade Names