SAFETY DATA SHEET



1. Identification

Product identifier DensDefy™ Liquid Flashing

Other means of identification

Recommended use Liquid Flashing/Sealant for Dens® Gypsum products, specifically liquid flashing component of

DensElement® Barrier System.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name Georgia-Pacific Canada LP 133 Peachtree Steet, NE **Address**

Atlanta, GA 30303

Telephone Technical Information: 800.225.6119

(M)SDS Request: 404.652.5119

E-mail MSDSREQ@GAPAC.com

Emergency phone number Chemtrec - Emergency: 800.424.9300

2. Hazard identification

Physical hazards Not classified.

Skin irritation **Health hazards** Category 2

> Serious eye damage Category 1

Environmental hazards Not classified.

Label elements



Signal word Danger

Causes skin irritation. Causes serious eye damage. **Hazard statement**

Precautionary statement

Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. Prevention

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see section 4 on the SDS).

Store away from incompatible materials (see Section 10 of the SDS). Storage

Disposal Dispose of waste and residues in accordance with local authority requirements.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Calcium carbonate		471-34-1	15 - 40
LIMESTONE (CALCIUM CARBONATE)		1317-65-3	15 - 40
Titanium dioxide		13463-67-7	3 - 7
TRIMETHOXYVINYLSILANE		2768-02-7	3 - 7
BIS (2-ETHYLHEXYL) ADIPATE	<u> </u>	103-23-1	0.1 - 1

Material name: DensDefy™ Liquid Flashing SDS CANADA

% Chemical name Common name and synonyms **CAS** number 67-56-1 0.1 - 1METHYL ALCOHOL Other components below reportable levels 15 - 40

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get Skin contact

medical advice/attention. Wash contaminated clothing before reuse.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Rinse mouth. Get medical attention if symptoms occur. Ingestion

Most important symptoms/effects, acute and

delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted. General fire hazards

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Use personal protection recommended in Section 8 of the SDS. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Material name: DensDefy™ Liquid Flashing

8. Exposure controls/personal protection

Occ

upational exposure limits ACGIH	Time	Walio-	Form
Components	Туре	Value	Form
Calcium carbonate (CAS 471-34-1)	TWA	3 mg/m3	Respirable particles
LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3)	TWA	3 mg/m3	Respirable fraction.
US. ACGIH Threshold Limit Values			_
Components	Туре	Value	Form
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	Inhalable particles.
LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3)	TWA	10 mg/m3	Inhalable particles.
METHYL ALCOHOL (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. Alberta OELs (Occupatio	nal Health & Safety Code, Sch	edule 1, Table 2)	
Components	Туре	Value	
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	
LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3)	TWA	10 mg/m3	
METHYL ALCOHOL (CAS 67-56-1)	STEL	328 mg/m3	
		250 ppm	
	TWA	262 mg/m3	
		200 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Canada. British Columbia OELs. (Safety Regulation 296/97, as amer		s for Chemical Substances, C	Occupational Health and
Components	Туре	Value	Form
Calcium carbonate (CAS 471-34-1)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3)	STEL	20 mg/m3	Total dust.
,	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Material name: DensDefy™ Liquid Flashing

METHYL ALCOHOL (CAS

Titanium dioxide (CAS

67-56-1)

13463-67-7)

Respirable fraction.

Total dust.

STEL

TWA

TWA

250 ppm

200 ppm

3 mg/m3

10 mg/m3

Calcium carbonate (CAS	Canada. Manitoba OELs (Reg. 217 Components	Type	Value	Form
CARBONATE) (CAS METHYL ALCOHOL (CAS FIL TWA 200 ppm Titanium dioxide (CAS TWA 10 mg/m3 Titanium dioxide (CAS TWA 10 mg/m3 Type METHYL ALCOHOL (CAS TWA 10 mg/m3 Titanium dioxide (CAS TWA 10 mg/m3 Titanium dioxide (CAS TWA 10 mg/m3 Titanium dioxide (CAS TWA 10 mg/m3 THIMETHOXYVINYLSILAN E (CAS 2768-02-7) TRIMETHOXYVINYLSILAN E (CAS 2768-02-7) Type Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components Type Value Form Calcium carbonate (CAS TWA 10 mg/m3 Total dust. TYA-1-34-1) LIMESTONE (CALCIUM CARBONATE) (CAS TWA 10 mg/m3 Total dust. TWA 10 mg/m3 Total dust. TWA 10 mg/m3 Total dust. TWA TWA 10 mg/m3 Total dust. TWA TWA 10 mg/m3 Total dust. TWA TWA TOTAL ALCOHOL (CAS TWA TWA TWA TOTAL ALCOHOL (CAS TWA TWA TOTAL ALCOHOL (CAS TWA TWA TOTAL ALCOHOL (CAS TYA TOTAL ALCOHOL (CAS TOTAL ALCOHOL (C		TWA	10 mg/m3	Inhalable particles.
TWA 200 ppm TWA 10 mg/m3 13463-67-7) TWA 10 mg/m3 10 ppm TWA	CARBONATE) (CAS	TWA	10 mg/m3	Inhalable particles.
Titanium dioxide (CAS 13463-67-7) TWA 10 mg/m3 Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Value METHYL. ALCOHOL (CAS 67-56-1) STEL 250 ppm Titanium dioxide (CAS 13463-67-7) TWA 10 mg/m3 13463-67-7 TRIMIUM CHONZYVINYLSILAN E (CAS 2768-02-7) STEL 60 mg/m3 60 mg/m3 60 mg/m3 60 mg/m3 60 mg/m3 70 mg/		STEL	250 ppm	
13463-67-7		TWA	200 ppm	
METHYL ALCOHOL (CAS STEL 250 ppm 67-56-1) TWA 200 ppm Titanium dioxide (CAS TWA 10 mg/m3 13463-67-7) TRIMETHOXYVINYLSILAN STEL 60 mg/m3 Form 10 ppm 10		TWA	10 mg/m3	
METHYL ALCOHOL (CAS 67-56-1) TWA 200 ppm Titanium dioxide (CAS 15EL 250 ppm 70 10 mg/m3 10 mg/m3 10 ppm Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components Type Value Form Calcium carbonate (CAS 15 TWA 10 mg/m3 10 mg/m3 10 tal dust. 471-34-1) LIMESTONE (CALCIUM CAS 117-65-3) METHYL ALCOHOL (CAS 15 TWA 10 mg/m3 10 tal dust. 471-34-1) Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) Components Type Value 10 mg/m3 10 tal dust. 471-34-1) Calcium carbonate (CAS 15 minute 20 mg/m3 117-65-3) B hour 10 mg/m3 10 mg/m		-	- · · · · · · · · · · · · · · · · · · ·	
TWA				
Titanium dioxide (CAS TWA 10 mg/m3 13463-67-7) 10 ppm		T\\/\		
13463-67-7) TRIMETHOXYVINYLSILAN STEL 60 mg/m3	Tita minus diani la (OAO			
Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components		TWA	10 mg/m3	
Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety) Components		STEL	60 mg/m3	
Components Type Value Form Calcium carbonate (CAS 471-34-1) TWA 10 mg/m3 Total dust. LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) TWA 10 mg/m3 Total dust. METHYL ALCOHOL (CAS 67-56-1) STEL 328 mg/m3 250 ppm TWA 262 mg/m3 200 ppm 200 ppm Titanium dioxide (CAS 17WA 10 mg/m3 13463-67-7) Total dust. 10 mg/m3 7 Total dust. Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) Components Value Value Calcium carbonate (CAS 15 minute 20 mg/m3 471-34-1) 8 hour 10 mg/m3 LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) 8 hour 10 mg/m3 10 mg/m3 METHYL ALCOHOL (CAS 67-56-1) 8 hour 250 ppm 67-56-1) 8 hour 200 ppm 15 minute 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)			10 ppm	
### 10 mg/m3			-	
LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) METHYL ALCOHOL (CAS 5TEL 328 mg/m3 250 ppm 7		TWA	10 mg/m3	Total dust.
67-56-1) TWA 250 ppm TWA 262 mg/m3 200 ppm Titanium dioxide (CAS 13463-67-7) Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) Components Type Calcium carbonate (CAS 471-34-1) 8 hour 10 mg/m3 LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) 8 hour 10 mg/m3 METHYL ALCOHOL (CAS 15 minute 250 ppm 8 hour 200 mg/m3 METHYL ALCOHOL (CAS 15 minute 250 ppm 8 hour 200 ppm Titanium dioxide (CAS 15 minute 200 mg/m3	LIMESTONE (CALCIUM CARBONATE) (CAS	TWA	10 mg/m3	Total dust.
TWA 262 mg/m3 200 ppm Titanium dioxide (CAS TWA 10 mg/m3 Total dust. 13463-67-7) Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) Components Type Value Calcium carbonate (CAS 15 minute 20 mg/m3 471-34-1) 8 hour 10 mg/m3 LIMESTONE (CALCIUM 15 minute 20 mg/m3 CARBONATE) (CAS 15 minute 20 mg/m3 METHYL ALCOHOL (CAS 15 minute 250 ppm 67-56-1) 8 hour 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)		STEL	328 mg/m3	
Titanium dioxide (CAS TWA 10 mg/m3 Total dust.			250 ppm	
Titanium dioxide (CAS 13463-67-7) TWA 10 mg/m3 Total dust. Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) Components Type Value Calcium carbonate (CAS 471-34-1) 15 minute 20 mg/m3 LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) 15 minute 20 mg/m3 METHYL ALCOHOL (CAS 67-56-1) 15 minute 250 ppm Titanium dioxide (CAS 15 minute) 200 ppm Titanium dioxide (CAS 15 minute) 20 mg/m3		TWA	262 mg/m3	
13463-67-7)			200 ppm	
Components Type Value Calcium carbonate (CAS 471-34-1) 15 minute 20 mg/m3 8 hour 10 mg/m3 LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) 15 minute 20 mg/m3 METHYL ALCOHOL (CAS 67-56-1) 15 minute 250 ppm 67-56-1) 8 hour 200 ppm Titanium dioxide (CAS 15 minute) 20 mg/m3 13463-67-7) 15 minute 20 mg/m3		TWA	10 mg/m3	Total dust.
Calcium carbonate (CAS 471-34-1)	•	-		
471-34-1) 8 hour 10 mg/m3 LIMESTONE (CALCIUM 15 minute 20 mg/m3 CARBONATE) (CAS 1317-65-3) 8 hour 10 mg/m3 METHYL ALCOHOL (CAS 15 minute 250 ppm Titanium dioxide (CAS 15 minute 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)				
LIMESTONE (CALCIUM CARBONATE) (CAS 15 minute 20 mg/m3 (CARBONATE) (CAS 1317-65-3) 8 hour 10 mg/m3 (METHYL ALCOHOL (CAS 15 minute 250 ppm 67-56-1) 8 hour 200 ppm (Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)			-	
CARBONATE) (CAS 1317-65-3) 8 hour 10 mg/m3 METHYL ALCOHOL (CAS 67-56-1) 8 hour 250 ppm 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)			-	
8 hour 10 mg/m3 METHYL ALCOHOL (CAS 15 minute 250 ppm 8 hour 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)	CARBONATE) (CAS	15 minute	20 mg/m3	
8 hour 200 ppm Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)	•	8 hour	10 mg/m3	
Titanium dioxide (CAS 15 minute 20 mg/m3 13463-67-7)		15 minute	250 ppm	
13463-67-7)		8 hour	200 ppm	
8 hour 10 mg/m3		15 minute	20 mg/m3	
		8 hour	10 mg/m3	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
METHYL ALCOHOL (CAS	15 mg/l	Methanol	Urine	*

⁶⁷⁻⁵⁶⁻¹⁾

Exposure quidelinesOccupational Exposure Limits are not relevant to the current physical form of the product.

Canada - Alberta OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1)

Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1)

Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1) Danger of cutaneous absorption

Canada - Ontario OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1)

Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1)

Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

METHYL ALCOHOL (CAS 67-56-1)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

METHYL ALCOHOL (CAS 67-56-1) Danger of cutaneous absorption

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety

shower.

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 Wear appropriate chemical resistant gloves.Other Wear appropriate chemical resistant clothing.

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

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.

9. Physical and chemical properties

Appearance

Physical state Liquid.
Form Paste.
Colour Yellow.
Odour Not available.
Odour threshold Not available.
pH Not available.

Melting point/freezing point 956.15 °C (1753.07 °F) estimated Initial boiling point and boiling 1425 °C (2597 °F) estimated

range

Flash point > 100.0 °C (> 212.0 °F) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower Not available.

(%)

Material name: DensDefy™ Liquid Flashing 6328 Version #: 02 Revision date: 07-27-2022 Issue date: 12-04-2019

^{* -} For sampling details, please see the source document.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%)

Explosive limit - upper

(%)

Not available. Not available.

Not available. Vapour pressure Not available. Vapour density Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 395 °C (743 °F) estimated

Not available. **Decomposition temperature Viscosity** Not available.

Other information

Explosive properties Not explosive.

Flammability class Combustible IIIB estimated

Oxidising properties Not oxidising. Percent volatile 0.25 % estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

Incompatible materials Fluorine. Acids. Strong oxidising agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

No adverse effects due to inhalation are expected. Inhalation

Causes skin irritation. Skin contact

Eve contact Causes serious eye damage.

Not applicable under normal conditions of use. May result in obstruction or temporary irritation of Ingestion

the digestive tract.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May

cause redness and pain.

Information on toxicological effects

Not known. **Acute toxicity**

Test Results Product Species

DensDefy™ Liquid Flashing

Acute Dermal

ATEmix 106000 mg/kg

Inhalation

Vapour

ATEmix 1177 mg/l

Material name: DensDefy™ Liquid Flashing 6328 Version #: 02 Revision date: 07-27-2022 Issue date: 12-04-2019 Product Species Test Results

Oral

ATEmix 5367 mg/kg

Components Species Test Results

BIS (2-ETHYLHEXYL) ADIPATE (CAS 103-23-1)

Acute Dermal

LD50 Rabbit 8410 mg/kg

Oral

LD50 Rat 5600 mg/kg

5.6 g/kg

Calcium carbonate (CAS 471-34-1)

Acute Oral

LD50 Rat > 2000 mg/kg

LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3)

Acute Oral

LD50 Rat 6450 mg/kg

METHYL ALCOHOL (CAS 67-56-1)

Acute Dermal

LD50 Rabbit 15800 mg/kg

Inhalation

LC50 Rat 87.5 mg/l, 6 Hours

Titanium dioxide (CAS 13463-67-7)

Acute Oral

LD50 Rat > 10000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Causes serious eye damage.

irritation

Respiratory or skin sensitisation

Canada - Alberta OELs: Irritant

Calcium carbonate (CAS 471-34-1) Irritant LIMESTONE (CALCIUM CARBONATE) (CAS 1317-65-3) Irritant Titanium dioxide (CAS 13463-67-7) Irritant

Respiratory sensitisation

Not a respiratory sensitizer.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Prolonged exposure to respirable titanium dioxide may cause cancer. However due to the

physical form of this product (cured and uncured), exposures are not expected under normal

condition of use.

ACGIH Carcinogens

Titanium dioxide (CAS 13463-67-7)

A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

Titanium dioxide (CAS 13463-67-7)

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

BIS (2-ETHYLHEXYL) ADIPATE (CAS 103-23-1) 3 Not classifiable as to carcinogenicity to humans.

Titanium dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Not an aspiration hazard. **Aspiration hazard**

Prolonged exposure may cause chronic effects. **Chronic effects**

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
DensDefy™ Liquid Fla	ashing		
Aquatic			
Crustacea	EC50	Daphnia	18400.791 mg/l, 48 hours estimated
Fish	LC50	Fish	333.3333 % v/v, 96 hours estimated
Components		Species	Test Results
BIS (2-ETHYLHEXYL) ADIPATE (CAS 10	03-23-1)	
Aquatic			
Algae	IC50	Algae	500.0001 mg/l, 72 Hours
Crustacea	EC50	Daphnia	500.0001 mg/l, 48 Hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.48 - 0.85 mg/l, 96 hours
METHYL ALCOHOL (CAS 67-56-1)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours
Titanium dioxide (CAS	3 13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

METHYL ALCOHOL -0.77

No data available. Mobility in soil

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste Hazardous waste code

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. 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).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

TDG

Not regulated as dangerous goods.

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IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

Canadian regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed

Greenhouse Gases

Not listed.

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

METHYL ALCOHOL (CAS 67-56-1)

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region Inventory name

On inventory (yes/no)*

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

 Issue date
 12-04-2019

 Revision date
 07-27-2022

Version No. 02

DisclaimerThis SDS is intended to quickly provide useful information to the user(s) of this material or product.

It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.

Material name: DensDefy™ Liquid Flashing

SDS CANADA

6328 Version #: 02 Revision date: 07-27-2022 Issue date: 12-04-2019

Revision information

Material name: DensDefy™ Liquid Flashing

6328 Version #: 02 Revision date: 07-27-2022 Issue date: 12-04-2019

Composition / Information on Ingredients: Ingredients Composition/information on ingredients: Composition comments Toxicological information: Carcinogenicity