According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

1.1. Product identifier

Product form	:	Mixture
Product name	:	Thermo-Prime Multi-Substrate Primer
Product code	:	TPL (THERMO-PRIME MULTI-SUBSTRATE PRIMER)

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

1.3. Details of the supplier of the safety data sheet

Huntsman Building Solutions
3315 E. Division Street,
Arlington, TX 76011
Tel: 817-640-4900 , 888-224-1533
sdsinfo@huntsmanbuilds.com

1.4. Emergency telephone number

Emergency number	:	800-424-9300 Chemtrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Carc. 2	H351

Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling

0

Hazard pictograms (GHS-US) :

GHS08

Signal word (GHS-US)	:	Warning
Hazard statements (GHS-US)	:	H351 - Suspected of causing cancer
Precautionary statements (GHS-US)	:	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P280 - Wear protective gloves/protective clothing/eye protection/face protection P308+P313 - If exposed or concerned: Get medical advice/attention P405 - Store locked up P501 - Dispose of contents/container to ...

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
latex,liquid,synthetic		40 - 60	Not classified
calcium carbonate	(CAS No) 471-34-1	5 - 15	Not classified
titanium(IV) oxide	(CAS No) 13463-67-7	1 - 5	Carc. 2, H351
zinc oxide	(CAS No) 1314-13-2	0 - 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	(CAS No) 25265-77-4	0 - 1	Not classified
5-chloro-2-methyl-4-isothiazolin-3-one	(CAS No) 26172-55-4	0 - 1	Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Tropical - #997 Universal Acrylic and Silicone Primer		
ACGIH	Not applicable	
OSHA	Not applicable	

latex,liquid,synthetic		
ACGIH	Not applicable	
OSHA	Not applicable	

calcium carbonate (471-34-1)		
ACGIH	Not applicable	
OSHA	Not applicable	

titanium(IV) oxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
OSHA	Not applicable	

zinc oxide (1314-13-2)		
ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (Zinc oxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
ACGIH	ACGIH STEL (mg/m³)	10 mg/m³ (Zinc oxide; USA; Short time value; TLV - Adopted Value; Respirable fraction)
ACGIH	Remark (ACGIH)	Metal fume fever
OSHA	Not applicable	

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
ACGIH	Not applicable
OSHA	Not applicable

5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

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

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Mixture contains one or more component(s) which have the following colour(s):
White Pure substance: white Unpurified: coloured White to light yellow Colourless Amber

Odour	:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Characteristic odour Odourless Almost odourless
Odour threshold	:	No data available
pH	:	8.5 - 9
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	≈ 0 °C Do not freeze
Boiling point	:	≈ 100 °C
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	≈ 8.6 lb/gal
Solubility	:	Water: Solubility in water of component(s) of the mixture : • calcium carbonate: 0.0014 g/100ml • titanium(IV) oxide: 0.15 g/100ml • zinc oxide: 0.00029 g/100ml • 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate: 0.090 g/100ml • 5-chloro-2-methyl-4-isothiazolin-3-one: complete
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	≈ 1000 cP
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

Minimum ignition energy : ≈

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

calcium carbonate (471-34-1)	
LD50 oral rat	6450 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Literature study; >2000 mg/kg; Rat; Experimental value)

calcium carbonate (471-34-1)	
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 3 mg/l/4h (Rat; Experimental value)
ATE US (oral)	6450.000 mg/kg bodyweight

titanium(IV) oxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)

zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 5.7 mg/l/4h (Rat; Experimental value)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
LD50 oral rat	3200 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 15200 mg/kg (Rabbit, Dermal)
ATE US (oral)	3200.000 mg/kg bodyweight

Skin corrosion/irritation : Not classified
pH: 8.5 - 9

Serious eye damage/irritation : Not classified
pH: 8.5 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

titanium(IV) oxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

calcium carbonate (471-34-1)	
EC50 Daphnia 1	> 100 % (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	> 14 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)

titanium(IV) oxide (13463-67-7)	
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

zinc oxide (1314-13-2)	
EC50 Daphnia 2	0.33 - 0.66 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Threshold limit algae 1	0.136 mg/l (IC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
LC50 fish 1	30 mg/l (96 h, Pimephales promelas, Fresh water)
EC50 Daphnia 1	147.8 mg/l (48 h, Daphnia sp.)

12.2. Persistence and degradability

latex,liquid,synthetic	
Persistence and degradability	Biodegradability in soil: no data available.
Biochemical oxygen demand (BOD)	0.01 g O_2/g substance

calcium carbonate (471-34-1)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil.
ThOD	Not applicable (inorganic)

titanium(IV) oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

zinc oxide (1314-13-2)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. Low potential for adsorption in soil.
ThOD	Not applicable (inorganic)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	2.4 g O_2/g substance

5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
Persistence and degradability	Contains non readily biodegradable component(s).

12.3. Bioaccumulative potential

latex,liquid,synthetic	
Bioaccumulative potential	Not bioaccumulative.

calcium carbonate (471-34-1)	
Log Pow	-2.12 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable.

titanium(IV) oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

zinc oxide (1314-13-2)	
Log Pow	1.53 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Log Pow	3.47 (Experimental value)

5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
Bioaccumulative potential	Does not contain bioaccumulative component(s).

12.4. Mobility in soil

zinc oxide (1314-13-2)	
Log Koc	log Koc,2.2; Literature study

5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
Ecology - soil	No (test)data on mobility of the components available.

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

latex,liquid,synthetic
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

calcium carbonate (471-34-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

titanium(IV) oxide (13463-67-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

zinc oxide (1314-13-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

titanium(IV) oxide (13463-67-7)
Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

titanium(IV) oxide (13463-67-7)
U.S. - New Jersey - Right to Know Hazardous Substance List

zinc oxide (1314-13-2)
U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Revision date : 05/27/2020

Full text of H-phrases:

------	Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
------	Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
------	Carc. 2	Carcinogenicity, Category 2
------	H351	Suspected of causing cancer
------	H400	Very toxic to aquatic life
------	H410	Very toxic to aquatic life with long lasting effects

ZLF-PMS 364 CUSTOM TEMPLATE

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.

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