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1. Identification

Product identifier used on the label

285-15 Black DTM Primer

Recommended use of the chemical and restriction on use

Recommended use*: Paints, Coatings and Related Materials; for industrial use only Unsuitable for use: Not intended for sale to or use by the general public.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

<u>Company:</u> BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300 BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Carc.	1 (by inhalation)	Carcinogenicity
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic
Flam. Liq.	2	Flammable liquids
STOT RÉ	1 (by inhalation)	Specific target organ toxicity — repeated
		exposure

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STOT RE	2 (by inhalation)	Specific target organ toxicity — repeated exposure
Label elements		
Pictogram:		
Signal Word: Danger		
Hazard Statement:		
H319	Causes serious eye irrita	ation.
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H411	Toxic to aquatic life with long lasting effects.	
H225	Highly flammable liquid and vapour.	
H350	May cause cancer by inhalation.	
H372	Causes damage to organs (lung) through prolonged or repeated exposure (inhalation).	
H373	May cause damage to organs (immune system, kidney) through prolonged or repeated exposure (inhalation).	
Precautionary Statem	ents (Prevention):	
P280	Wear protective gloves, protection.	protective clothing and eye protection or face
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P201	Obtain special instructions before use.	
P264	Wash contaminated body parts thoroughly after handling.	
P281	Use personal protective equipment as required.	
P242	Use only non-sparking tools.	
P241	Use explosion-proof electrical, ventilating and lighting equipment.	
P243	Take action to prevent static discharges.	
P233	Keep container tightly closed.	
P240	Ground and bond container and receiving equipment.	
P202	understood.	afety precautions have been read and
P270	Do not eat, drink or smo	ke when using this product.
	Do not breathe dust or mist.	
P260	Contaminated work clothing should not be allowed out of the workplace.	
P260 P272		
	Avoid release to the env	

Precautionary Statements (Response):

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IF IN EVES, Dince equitionally with water for equard minutes. Demove
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.
In case of fire: Use water spray for extinction.
Wash contaminated clothing before reuse.
Take off contaminated clothing and wash it before reuse.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
If eye irritation persists: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Collect spillage.
nts (Storage):
Store in a well-ventilated place. Keep cool.
Store locked up.
nts (Disposal):
Dispose of contents and container to hazardous or special waste collection point.

No applicable information available.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Acetone

CAS Number: 67-64-1 Content (W/W): >= 5.0 - < 7.0% Synonym: Acetone

2-heptanone

CAS Number: 110-43-0 Content (W/W): >= 1.0 - < 3.0% Synonym: 2-Heptanone; Methyl n-amyl ketone

2,4-pentanedione

CAS Number: 123-54-6 Content (W/W): >= 1.0 - < 3.0% Synonym: Acetylacetone

n-Butyl acetate

CAS Number: 123-86-4 Content (W/W): >= 3.0 - < 5.0% Synonym: n-Butyl acetate

Kaolin

CAS Number: 1332-58-7 Content (W/W): >= 3.0 - < 5.0% Synonym: No data available.

carbon black

CAS Number: 1333-86-4 Content (W/W): >= 0.3 - < 1.0% Synonym: C.I. 77266

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Barium sulfate

CAS Number: 7727-43-7 Content (W/W): >= 7.0 - < 10.0% Synonym: Barium sulfate, natural

talc

CAS Number: 14807-96-6 Content (W/W): >= 7.0 - < 10.0% Synonym: No data available.

crystalline silica

CAS Number: 14808-60-7Content (W/W): >= 1.0 - < 3.0%Synonym: No data available.

4-chloro- α , α , α -trifluorotoluene

CAS Number: 98-56-6 Content (W/W): >= 15.0 - < 20.0% Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Indication of any immediate medical attention and special treatment needed

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Note to physician Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons: water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting: Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

Advice for fire-fighters

Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up

Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

7. Handling and Storage

Precautions for safe handling

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Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.

Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from strong acids.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), Stove-lacquer KNS L-5X, Stove-lacquer Valspar HXR008F red

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability: Consult local fire marshal for storage requirements. Protect from temperatures above: 49 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Acetone	OSHA PEL	PEL 1,000 ppm 2,400 mg/m3 ; STEL value 1,000 ppm 2,400 mg/m3 ; TWA value 750 ppm
	ACGIH TLV	1,800 mg/m3; TWA value 250 ppm;STEL value 500 ppm;
2-heptanone	OSHA PEL	PEL 100 ppm 465 mg/m3 ; TWA value 100
	ACGIH TLV	ppm_465 mg/m3; TWA value_50 ppm ;
2,4-pentanedione		
	ACGIH TLV	Skin Designation ; The substance can be absorbed through the skin. TWA value 25 ppm ;
n-Butyl acetate	OSHA PEL	PEL 150 ppm 710 mg/m3;STEL value 200 ppm 950 mg/m3;TWA value 150 ppm 710 mg/m3;
	ACGIH TLV	STEL value 150 ppm;TWA value 50 ppm;
Kaolin	OSHA PEL	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ; TWA value 10 mg/m3 Total dust ;
	ACGIH TLV	TWA value 2 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.

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carbon black	OSHA PEL ACGIH TLV	PEL 3.5 mg/m3;TWA value 3.5 mg/m3; TWA value 3 mg/m3 Inhalable fraction;
Barium sulfate	OSHA PEL ACGIH TLV	PEL 15 mg/m3 Total dust ; PEL 5 mg/m3 Respirable fraction ; TWA value 5 mg/m3 Inhalable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
talc	ACGIH TLV	TWA value 2 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
crystalline silica	OSHA PEL ACGIH TLV	TWA value 0.05 mg/m3 (Respirable dust); OSHA Action level 0.025 mg/m3 (Respirable dust); TWA value 0.025 mg/m3 Respirable fraction ;

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L. General mechanical ventilation should comply with OSHA 1910.94.

Personal protective equipment

Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

Hand protection:

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:liquidOdour:solvent-likeOdour threshold:No applicable information available.Colour:blackpH value:No applicable information available.

Revision date : 2020/03/05 Page: 8/14 Version: 4.0 (30727488/SDS GEN US/EN) Melting point: No applicable information available. Freezing point: No applicable information available. Boiling range: 56.00 - 2,230.00 °C 132.80 - 4,046.00 °F Sublimation point: No applicable information available. Flash point: 0.00 °C 32.00 °F Flammability: No applicable information available. Lower explosion limit: 0.90 %(V) Upper explosion limit: 12.80 %(V) Autoignition: No applicable information available. Vapour pressure: No applicable information available. Density: 1.5583 g/cm3 (calculated) (20 °C) 13.0046 lb/USg (calculated) Relative density: 1.5583 (20 °C) Vapour density: No applicable information available. Partitioning coefficient n-No applicable information available. octanol/water (log Pow): Thermal decomposition: No applicable information available. No applicable information available. Viscosity, dynamic: No applicable information available. Viscosity, kinematic: Solubility in water: No applicable information available. Solubility (quantitative): No applicable information available. Solubility (qualitative): No applicable information available. Molar mass: No applicable information available. No applicable information available. Evaporation rate:

10. Stability and Reactivity

Reactivity

No applicable information available.

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

No applicable information available.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Incompatible materials

strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products: carbon dioxide, carbon monoxide

Thermal decomposition: No applicable information available. Revision date : 2020/03/05 Version: 4.0

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Acetone

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. High concentrations in the air may cause narcosis.

Information on: 2-heptanone

Assessment of acute toxicity:Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Information on: 2,4-pentanedione

Assessment of acute toxicity:Of moderate toxicity after single ingestion. Of pronounced toxicity after short-term skin contact. Of pronounced toxicity after short-term inhalation.

<u>Assessment other acute effects</u> No applicable information available.

Irritation / corrosion Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: Acetone

Assessment of irritating effects: Irritating to eyes. Not irritating to the skin. Repeated exposure may cause skin dryness or cracking.

Information on: talc Assessment of irritating effects: Not irritating to eyes and skin.

Information on: 4-chloro- α , α , α -trifluorotoluene Assessment of irritating effects: May cause slight irritation to the skin. Not irritating to the eyes.

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

<u>Aspiration Hazard</u> No applicable information available.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Acetone

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Assessment of repeated dose toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: 2-heptanone

Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies.

Information on: 2,4-pentanedione

Assessment of repeated dose toxicity: Repeated inhalation exposure to large quantities may affect certain organs. Damages the central nerve system.

Information on: carbon black

Assessment of repeated dose toxicity: Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease). The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

Information on: crystalline silica

Assessment of repeated dose toxicity: The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.

This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses. OSHA (Occupational Safety and Health Administration) has classified this substance as harmful to the lung, kidney and immune system following repeated inhalation exposure.

Information on: 4-chloro-α,α,α-trifluorotoluene

Assessment of repeated dose toxicity: Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure. May affect the liver and kidneys as indicated in animal studies. Overexposure may cause blood abnormalities.

Genetic toxicity

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: carbon black

Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms and mammalian cell culture are available. Taking into account all of the information, there is no indication that the substance is mutagenic. Based on the structure, there is a suspicion of a mutagenic effect.

The substance was genotoxic in a test with mammals. The effect may result from a secondary mechanism.

Carcinogenicity

Assessment of carcinogenicity: May cause cancer.

Information on: Kaolin

Assessment of carcinogenicity: The American Conference of Governmental Industrial Hygienists (ACGIH) has classified this substance as Group A4 - Not classifiable as human carcinogen.

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Information on: carbon black

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.

Information on: talc

Assessment of carcinogenicity: Not classified, due to lack of data.

Information on: crystalline silica

Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

NTP listed carcinogen

OSHA (Occupational Safety and Health Administration) has classified this substance as carcinogenic.

Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Acetone

Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.

Teratogenicity

Assessment of teratogenicity: No applicable information available.

12. Ecological Information

Toxicity

Aquatic toxicity Assessment of aquatic toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

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Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

WARNING: Empty containers may still contain hazardous residue. Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport USDOT	
Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT
Sea transport IMDG	
Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	PAINT
Air transport IATA/ICAO	
Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

15. Regulatory Information

Federal Regulations

Registration status: Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313: CAS Number 7779-90-0

Chemical name zinc phosphate

State regulations

State RTK	CAS Number	Chemical name
NJ	67-64-1	Acetone

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		(0012110)
PA	110-43-0 123-54-6 123-86-4 1332-58-7 1333-86-4 7727-43-7 7779-90-0 14807-96-6 14808-60-7 98-56-6 67-64-1 110-43-0 123-54-6 123-86-4 1332-58-7 7727-43-7 14807-96-6	2-heptanone 2,4-pentanedione n-Butyl acetate Kaolin carbon black Barium sulfate zinc phosphate talc crystalline silica 4-chloro-α,α,α-trifluorotoluene Acetone 2-heptanone 2,4-pentanedione n-Butyl acetate Kaolin Barium sulfate
	14807-96-6	talc
	14808-60-7	crystalline silica

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including BENZENE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 2Fire: 3Reactivity: 0Special:HMIS III rating
Health: 2¤Flammability: 3Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2020/03/05

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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