

* **1 Identification**

- **Product identifier**
- **Trade name:** 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)
- **Article number:** 325
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufactured for: IAMG International Autobody Marketing Group, 1505 North Hayden Road, Ste.111,
Scottsdale, AZ 85257
Information phone : 480.451.4451
- **Information department:** 1-87-REFINISH
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

* **2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

ACETOACETATE RESIN

Talc

4-chloro-alpha,alpha,alpha-trifluorotoluene

EPOXY RESIN

Fluorosurfactant

Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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· **Hazard statements**

H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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USA

Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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· **vPvB:** Not applicable.

* **3 Composition/information on ingredients**

· **Chemical characterization: Mixtures**

· **Description:**

Mixture: consisting of the following components.

Weight percentages

· **Dangerous components:**

7727-43-7	barium sulphate, natural	13-30%
	ACETOACETATE RESIN	13-30%
14807-96-6	Talc	13-30%
67-64-1	acetone	10-13%
110-43-0	heptan-2-one	≥7-<10%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	1.5-5%
25036-25-3	EPOXY RESIN	1.5-5%
1330-20-7	xylene	1-1.5%
	Fluorosurfactant	≥0.1-<1%

* **4 First-aid measures**

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

* **5 Fire-fighting measures**

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

* **6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

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USA

Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**

13463-67-7 titanium dioxide	30 mg/m ³
7727-43-7 barium sulphate, natural	15 mg/m ³
67-64-1 acetone	200 ppm
110-43-0 heptan-2-one	150 ppm
7779-90-0 trizinc bis(orthophosphate)	12 mg/m ³
25036-25-3 EPOXY RESIN	12 mg/m ³
1314-13-2 zinc oxide	10 mg/m ³
1330-20-7 xylene	130 ppm
71-36-3 butan-1-ol	60 ppm
1333-86-4 Carbon black	9 mg/m ³
108-88-3 toluene	67 ppm
111-76-2 2-butoxyethanol	60 ppm
100-41-4 ethylbenzene	33 ppm

· **PAC-2:**

13463-67-7 titanium dioxide	330 mg/m ³
7727-43-7 barium sulphate, natural	170 mg/m ³
67-64-1 acetone	3200* ppm
110-43-0 heptan-2-one	670 ppm
7779-90-0 trizinc bis(orthophosphate)	36 mg/m ³
25036-25-3 EPOXY RESIN	130 mg/m ³
1314-13-2 zinc oxide	15 mg/m ³
1330-20-7 xylene	920* ppm
71-36-3 butan-1-ol	800 ppm
1333-86-4 Carbon black	99 mg/m ³
108-88-3 toluene	560 ppm
111-76-2 2-butoxyethanol	120 ppm
100-41-4 ethylbenzene	1100* ppm

· **PAC-3:**

13463-67-7 titanium dioxide	2,000 mg/m ³
7727-43-7 barium sulphate, natural	990 mg/m ³
67-64-1 acetone	5700* ppm
110-43-0 heptan-2-one	4000* ppm
7779-90-0 trizinc bis(orthophosphate)	220 mg/m ³
25036-25-3 EPOXY RESIN	790 mg/m ³
1314-13-2 zinc oxide	2,500 mg/m ³

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1330-20-7 xylene

71-36-3 butan-1-ol

1333-86-4 Carbon black

108-88-3 toluene

111-76-2 2-butoxyethanol

100-41-4 ethylbenzene

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2500* ppm

8000** ppm

590 mg/m³

3700* ppm

700 ppm

1800* ppm

* 7 Handling and storage

· **Handling:**

· **Precautions for safe handling** No special measures required.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

7727-43-7 barium sulphate, natural

PEL Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV Long-term value: 5* mg/m³

*inhalable fraction; E

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm

REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 1187 mg/m³, 500 ppm

Long-term value: 594 mg/m³, 250 ppm

BEI

110-43-0 heptan-2-one

PEL Long-term value: 465 mg/m³, 100 ppm

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REL Long-term value: 465 mg/m³, 100 ppm

TLV Long-term value: 233 mg/m³, 50 ppm

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 651 mg/m³, 150 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

· Ingredients with biological limit values:

67-64-1 acetone

BEI 50 mg/L

Medium: urine

Time: end of shift

Parameter: Acetone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Tightly sealed goggles

*** 9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Color:

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

55.8-56.6 °C

· **Flash point:**

-18 °C

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

465 °C

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

In use, may form flammable/explosive vapour-air mixture.

· **Explosion limits:**

Lower:

2.6 Vol %

Upper:

13 Vol %

· **Vapor pressure at 20 °C:**

233 hPa

· **Density at 20 °C:**

1.60701 g/cm³

· **Relative density**

Not determined.

· **Vapor density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

Water:

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** *Not determined.*

· **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

· **Solvent content:**

Organic solvents:

24.1 %

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VOC content: 9.54 %
141.0 g/l / 1.18 lb/gl

Solids content: 76.0 %

· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
7779-90-0 trizinc bis(orthophosphate)
Oral LD50 >5,000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

13463-67-7 titanium dioxide	2B
14807-96-6 Talc	3
1330-20-7 xylene	3
1333-86-4 Carbon black	2B
108-88-3 toluene	3
111-76-2 2-butoxyethanol	3
100-41-4 ethylbenzene	2B
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

USA
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Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

*14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1263
- **UN proper shipping name**
- **DOT** Paint
- **ADR** 1263 Paint, ENVIRONMENTALLY HAZARDOUS, special provision 640D
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **DOT**



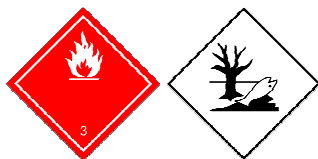
- **Class** 3 Flammable liquids
- **Label** 3

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USA

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· **ADR**



· **Class**

3 Flammable liquids

· **Label**

3

· **IMDG, IATA**



· **Class**

3 Flammable liquids

· **Label**

3

· **Packing group**

· **DOT, ADR, IMDG, IATA**

II

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Flammable liquids

· **EMS Number:**

F-E, S-E

· **Stowage Category**

B

· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

· **ADR**

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II,
ENVIRONMENTALLY HAZARDOUS

Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

7727-43-7 barium sulphate, natural

14807-96-6 Talc

7779-90-0 trizinc bis(orthophosphate)

1314-13-2 zinc oxide

1330-20-7 xylene

71-36-3 butan-1-ol

Acrylic Resin

108-88-3 toluene

111-76-2 2-butoxyethanol

100-41-4 ethylbenzene

- **TSCA (Toxic Substances Control Act):**

13463-67-7 titanium dioxide

7727-43-7 barium sulphate, natural

14807-96-6 Talc

67-64-1 acetone

110-43-0 heptan-2-one

7779-90-0 trizinc bis(orthophosphate)

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene

25036-25-3 EPOXY RESIN

1314-13-2 zinc oxide

1330-20-7 xylene

71-36-3 butan-1-ol

51274-00-1 YELLOW IRON OXIDE

1333-86-4 Carbon black

108-88-3 toluene

111-76-2 2-butoxyethanol

100-41-4 ethylbenzene

- **TSCA new (21st Century Act) (Substances not listed)**

ACETOACETATE RESIN

Fluorosurfactant

- **Proposition 65**

- **Chemicals known to cause cancer:**

13463-67-7 titanium dioxide

25036-25-3 EPOXY RESIN

1330-20-7 xylene

1333-86-4 Carbon black

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USA

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Reviewed on 10/20/2016

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100-41-4 ethylbenzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

108-88-3 toluene

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

7727-43-7 barium sulphate, natural

D, CBD(inh), NL(oral)

67-64-1 acetone

I

7779-90-0 trizinc bis(orthophosphate)

D, I, II

1314-13-2 zinc oxide

D, I, II

1330-20-7 xylene

I

71-36-3 butan-1-ol

D

108-88-3 toluene

II

111-76-2 2-butoxyethanol

NL

100-41-4 ethylbenzene

D

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7 titanium dioxide

A4

14807-96-6 Talc

A4

67-64-1 acetone

A4

1330-20-7 xylene

A4

1333-86-4 Carbon black

A4

108-88-3 toluene

A4

111-76-2 2-butoxyethanol

A3

100-41-4 ethylbenzene

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

1333-86-4 Carbon black

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02



GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**

ACETOACETATE RESIN

Talc

4-chloro-alpha,alpha,alpha-trifluorotoluene

(Contd. on page 13)

USA

Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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EPOXY RESIN

Fluorosurfactant

Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a poison center/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

***16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Environment protection department.

Contact: 1-480-451-4451 Lloyd Fields

Date of preparation / last revision 04/09/2018 / 5

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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USA

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Trade name: 325 Advantage High Build 2K - Gray DTM Primer/Sealer (Gallon& Quart)

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

. * **Data compared to the previous version altered.**

USA