

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/18/2018

Reviewed on 06/18/2018

1 Identification

- **Product identifier**
- **Trade name:** P10.3.K1 2K DTM PU Primer
- **Article number:** P10.3.K1
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lusid Technologies
5195 West 4700 South
KEARNS, UT 84118
USA
www.lusid.biz
- **Information department:** Product safety department
- **Emergency telephone number:**
24 Hrs Emergency Contact:
INFOTRAC
1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

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



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

- **GHS label elements**

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

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· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Danger

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

n-butyl acetate
titanium dioxide
acetone

· **Hazard statements**

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

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- **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.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	25-50%
123-86-4	n-butyl acetate	10-25%
67-64-1	acetone	10-25%
1330-20-7	xylene	2.5-10%
110-43-0	heptan-2-one	2.5-10%
13463-67-7	titanium dioxide	2.5-10%
7727-43-7	barium sulphate, natural	2.5-10%
7779-90-0	trizinc bis(orthophosphate)	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** 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.

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- **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.
- **Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
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:**

123-86-4	n-butyl acetate	5 ppm
67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm
110-43-0	heptan-2-one	150 ppm
13463-67-7	titanium dioxide	30 mg/m ³
7727-43-7	barium sulphate, natural	15 mg/m ³
7779-90-0	trizinc bis(orthophosphate)	12 mg/m ³
7784-30-7	Aluminium phosphate	14 mg/m ³
9002-88-4	Polyethylene low density	16 mg/m ³
112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m ³
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
1314-13-2	zinc oxide	10 mg/m ³
1333-86-4	Carbon black	9 mg/m ³
100-41-4	ethylbenzene	33 ppm
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
78-83-1	butanol	150 ppm
57-55-6	Propylene glycol	30 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	75 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm

- **PAC-2:**

123-86-4	n-butyl acetate	200 ppm
67-64-1	acetone	3200* ppm
1330-20-7	xylene	920* ppm
110-43-0	heptan-2-one	670 ppm

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13463-67-7	titanium dioxide	330 mg/m ³
7727-43-7	barium sulphate, natural	170 mg/m ³
7779-90-0	trizinc bis(orthophosphate)	36 mg/m ³
7784-30-7	Aluminium phosphate	200 mg/m ³
9002-88-4	Polyethylene low density	170 mg/m ³
112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m ³
77-58-7	dibutyltin dilaurate	8 mg/m ³
1314-13-2	zinc oxide	15 mg/m ³
1333-86-4	Carbon black	99 mg/m ³
100-41-4	ethylbenzene	1100* ppm
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
78-83-1	butanol	1,300 ppm
57-55-6	Propylene glycol	1,300 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	330 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm

· PAC-3:

123-86-4	n-butyl acetate	3000* ppm
67-64-1	acetone	5700* ppm
1330-20-7	xylene	2500* ppm
110-43-0	heptan-2-one	4000* ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
7727-43-7	barium sulphate, natural	990 mg/m ³
7779-90-0	trizinc bis(orthophosphate)	220 mg/m ³
7784-30-7	Aluminium phosphate	1,200 mg/m ³
9002-88-4	Polyethylene low density	1,000 mg/m ³
112926-00-8	Precipitated silica (Silica-Amorphous)	1,200 mg/m ³
77-58-7	dibutyltin dilaurate	48 mg/m ³
1314-13-2	zinc oxide	2,500 mg/m ³
1333-86-4	Carbon black	590 mg/m ³
100-41-4	ethylbenzene	1800* ppm
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
78-83-1	butanol	8000* ppm
57-55-6	Propylene glycol	7,900 mg/m ³
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm

7 Handling and storage

· Handling:
· Precautions for safe handling No special precautions are necessary if used correctly.

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- **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.

123-86-4 n-butyl acetate

PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm BEI

1330-20-7 xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

110-43-0 heptan-2-one

PEL	Long-term value: 465 mg/m ³ , 100 ppm
REL	Long-term value: 465 mg/m ³ , 100 ppm
TLV	Long-term value: 233 mg/m ³ , 50 ppm

7727-43-7 barium sulphate, natural

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
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REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 5* mg/m ³ *inhalable fraction; E

Ingredients with biological limit values:
67-64-1 acetone

BEI	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 xylene

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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· **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:** Not required.

· **Protection of hands:**



Protective gloves

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

· **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.

· **Eye protection:**



Tightly sealed goggles

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid
Color: According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined (pH N/A in solvent coatings)

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 55.8-56.6 °C (132.4-133.9 °F)

· **Flash point:** <-18 °C (<-0.4 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 370 °C (698 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

Lower: 1.2 Vol %
Upper: 13 Vol %

· **Vapor pressure at 20 °C (68 °F):** 233 hPa (174.8 mm Hg)

· **Density at 20 °C (68 °F):** 1.4797 g/cm³ (12.3481 lbs/gal)

· **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: 46.8 %
VOC content: 31.70 %
 270.2 g/l / 2.26 lb/gal

Solids content: 59.1 %

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

10 Stability and reactivity

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

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- **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:** No sensitizing effects known.

- **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)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
1330-20-7	xylene	3
13463-67-7	titanium dioxide	2B
9002-88-4	Polyethylene low density	3
112926-00-8	Precipitated silica (Silica-Amorphous)	3
1333-86-4	Carbon black	2B
100-41-4	ethylbenzene	2B
14808-60-7	Quartz (SiO ₂)	1

- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish

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- **Additional ecological information:**
- **General notes:**
Generally not hazardous for water
Harmful to aquatic organisms
- **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

- | | |
|---|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | UN1300 |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG, IATA | Turpentine substitute
TURPENTINE SUBSTITUTE |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | |
| <div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids
3 |
| <ul style="list-style-type: none"> · IMDG, IATA | |
| <div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids
3 |
| <ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA | II |
| <ul style="list-style-type: none"> · Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: | Warning: Flammable liquids
33
F-E,S-E |

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· Stowage Category	B
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· IMDG	
· Limited quantities (LQ)	1L
· 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 1300 TURPENTINE SUBSTITUTE, 3, II

15 Regulatory information

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

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

None of the ingredients is listed.

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

1330-20-7	xylene
7727-43-7	barium sulphate, natural
7779-90-0	trizinc bis(orthophosphate)
1314-13-2	zinc oxide
100-41-4	ethylbenzene

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

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
123-86-4	n-butyl acetate
67-64-1	acetone
14807-96-6	Talc (Mg3H2(SiO3)4)
1330-20-7	xylene
110-43-0	heptan-2-one
13463-67-7	titanium dioxide
7727-43-7	barium sulphate, natural
7779-90-0	trizinc bis(orthophosphate)
1332-58-7	Kaolin
7784-30-7	Aluminium phosphate
9002-88-4	Polyethylene low density
77-58-7	dibutyltin dilaurate
1314-13-2	zinc oxide
1333-86-4	Carbon black
100-41-4	ethylbenzene

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64742-95-6	Solvent naphtha (petroleum), light arom.
14808-60-7	Quartz (SiO ₂)
78-83-1	butanol
57-55-6	Propylene glycol
108-83-8	2,6-dimethylheptan-4-one
34590-94-8	Dipropylene glycol monomethyl ether
108-65-6	2-methoxy-1-methylethyl acetate

· Proposition 65
· Chemicals known to cause cancer:

13463-67-7	titanium dioxide
1333-86-4	Carbon black
100-41-4	ethylbenzene
14808-60-7	Quartz (SiO ₂)

· 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:

None of the ingredients is listed.

· Carcinogenic categories
· EPA (Environmental Protection Agency)

67-64-1	acetone	I
1330-20-7	xylene	I
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
7779-90-0	trizinc bis(orthophosphate)	D, I, II
1314-13-2	zinc oxide	D, I, II
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

67-64-1	acetone	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1330-20-7	xylene	A4
13463-67-7	titanium dioxide	A4
1332-58-7	Kaolin	A4
77-58-7	dibutyltin dilaurate	A4
1333-86-4	Carbon black	A4
100-41-4	ethylbenzene	A3
14808-60-7	Quartz (SiO ₂)	A2

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

13463-67-7	titanium dioxide
1333-86-4	Carbon black
14808-60-7	Quartz (SiO ₂)

· GHS label elements

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

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- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

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

n-butyl acetate
titanium dioxide
acetone

- **Hazard statements**

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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

USA

(Contd. on page 14)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/18/2018

Reviewed on 06/18/2018

Trade name: P10.3.K1 2K DTM PU Primer

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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:** Product Safety Dept.
- **Date of preparation / last revision** 06/18/2018 / -
- **Abbreviations and acronyms:**

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

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

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3