

Safety Data Sheet acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

1 Identification

- **Product identifier**
- **Trade name:** P9.3.K1 HB EPOXY PRIMER
- **Article number:** P9.3.K1
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lusid Technologies
4725 S Camp Kearns Road
Kearns, UT 84118
USA
www.lusidtechnologies.com
- **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

Muta. 1B H340 May cause genetic defects.
Carc. 1A H350 May cause cancer.
STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.
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).

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 1)

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

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

ethylbenzene
Stoddard solvent
titanium dioxide
ethanol

- **Hazard statements**

Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
May cause damage to the hearing organs through prolonged or repeated exposure.
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.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
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 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.
Get medical advice/attention if you feel unwell.
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 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

(Contd. on page 3)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 2)

- **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:**

68410-23-1	Liquid Polyamide Resin	10-25%
540-88-5	tert-butyl acetate	10-25%
67-64-1	acetone	10-25%
110-43-0	heptan-2-one	10-25%
1330-20-7	xylene	2.5-10%
13463-67-7	titanium dioxide	2.5-10%
100-41-4	ethylbenzene	≤2.5%
1332-58-7	Kaolin	≤2.5%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	≤2.5%
64-17-5	ethanol	≤2.5%
7779-90-0	trizinc bis(orthophosphate)	≤2.5%
67-56-1	methanol	≤2.5%
8052-41-3	Stoddard solvent	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **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.

USA

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 3)

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.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **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:**

68410-23-1	Liquid Polyamide Resin	30 mg/m ³
540-88-5	tert-butyl acetate	600 ppm
67-64-1	acetone	200 ppm
110-43-0	heptan-2-one	150 ppm
1330-20-7	xylene	130 ppm
13463-67-7	titanium dioxide	30 mg/m ³
100-41-4	ethylbenzene	33 ppm
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m ³
64-17-5	ethanol	1,800 ppm
7779-90-0	trizinc bis(orthophosphate)	12 mg/m ³
67-56-1	methanol	530 ppm
8052-41-3	Stoddard solvent	300 mg/m ³
1333-86-4	Carbon black	9 mg/m ³
67-63-0	propan-2-ol	400 ppm

- **PAC-2:**

68410-23-1	Liquid Polyamide Resin	330 mg/m ³
540-88-5	tert-butyl acetate	1,700 ppm
67-64-1	acetone	3200* ppm

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 4)

110-43-0	heptan-2-one	670 ppm
1330-20-7	xylene	920* ppm
13463-67-7	titanium dioxide	330 mg/m ³
100-41-4	ethylbenzene	1100* ppm
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	72 mg/m ³
64-17-5	ethanol	3300* ppm
7779-90-0	trizinc bis(orthophosphate)	36 mg/m ³
67-56-1	methanol	2,100 ppm
8052-41-3	Stoddard solvent	1,800 mg/m ³
1333-86-4	Carbon black	99 mg/m ³
67-63-0	propan-2-ol	2000* ppm

· PAC-3:

68410-23-1	Liquid Polyamide Resin	2,000 mg/m ³
540-88-5	tert-butyl acetate	10,000 ppm
67-64-1	acetone	5700* ppm
110-43-0	heptan-2-one	4000* ppm
1330-20-7	xylene	2500* ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
100-41-4	ethylbenzene	1800* ppm
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	430 mg/m ³
64-17-5	ethanol	15000* ppm
7779-90-0	trizinc bis(orthophosphate)	220 mg/m ³
67-56-1	methanol	7200* ppm
8052-41-3	Stoddard solvent	29500** mg/m ³
1333-86-4	Carbon black	590 mg/m ³
67-63-0	propan-2-ol	12000** ppm

7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· 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.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 5)

· **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.

540-88-5 tert-butyl acetate

PEL	Long-term value: 950 mg/m ³ , 200 ppm
REL	Long-term value: 950 mg/m ³ , 200 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

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

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

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 87 mg/m ³ , 20 ppm BEI

1332-58-7 Kaolin

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 6)

64-17-5 ethanolPEL Long-term value: 1900 mg/m³, 1000 ppmREL Long-term value: 1900 mg/m³, 1000 ppmTLV Short-term value: 1880 mg/m³, 1000 ppm**67-56-1 methanol**PEL Long-term value: 260 mg/m³, 200 ppmREL Short-term value: 325 mg/m³, 250 ppm
Long-term value: 260 mg/m³, 200 ppm
SkinTLV Short-term value: 328 mg/m³, 250 ppm
Long-term value: 262 mg/m³, 200 ppm
Skin; BEI**8052-41-3 Stoddard solvent**PEL Long-term value: 2900 mg/m³, 500 ppmREL Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-minTLV Long-term value: 525 mg/m³, 100 ppm**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**100-41-4 ethylbenzene**BEI 0.7 g/g creatinine
Medium: urine
Time: end of shift at end of workweek
Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

-

Medium: end-exhaled air
Time: not critical
Parameter: Ethyl benzene (semi-quantitative)**67-56-1 methanol**BEI 15 mg/L
Medium: urine
Time: end of shift
Parameter: Methanol (background, nonspecific)· **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.

(Contd. on page 8)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 7)

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

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:**



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

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	Liquid
· Color:	Grey
· 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 (132.4-69.9 °F)

· **Flash point:** -17 °C (1.4 °F)

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

· **Ignition temperature:** 393 °C (739.4 °F)

(Contd. on page 9)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 8)

· 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 Vol %
Upper:	13 Vol %
· Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
· Density at 20 °C (68 °F):	1.285 g/cm ³ (10.7233 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	55.8 %
VOC content:	19.74 %
	210.7 g/l / 1.76 lb/gal
Solids content:	26.5 %
· 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:**

68410-23-1 Liquid Polyamide Resin

Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 9)

110-43-0 heptan-2-one

Oral	LD50	1,670 mg/kg (rat)
Dermal	LD50	12,600 mg/kg (rabbit)

7779-90-0 trizinc bis(orthophosphate)

Oral	LD50	>5,000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **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

The product can cause inheritable damage.

- **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
100-41-4	ethylbenzene	2B
64-17-5	ethanol	1
1333-86-4	Carbon black	2B
67-63-0	propan-2-ol	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **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

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

- **Results of PBT and vPvB assessment**

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

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER



(Contd. of page 10)

· **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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | UN1263 |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG, IATA | Paint
PAINT |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="text-align: center;">  <p>3</p> </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids
3 |
| <ul style="list-style-type: none"> · IMDG, IATA | |
| <ul style="list-style-type: none"> · Class · Label | <div style="text-align: center;">  <p>3</p> </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: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category | Warning: Flammable liquids
33
F-E, S-E
B |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

(Contd. on page 12)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 11)

- **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 1263 PAINT, 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
100-41-4	ethylbenzene
7779-90-0	trizinc bis(orthophosphate)
67-56-1	methanol
67-63-0	propan-2-ol

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

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

1330-20-7	xylene
100-41-4	ethylbenzene
67-56-1	methanol

- **Proposition 65**

- **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
100-41-4	ethylbenzene
1333-86-4	Carbon black

- **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:**

64-17-5	ethanol
67-56-1	methanol

(Contd. on page 13)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 12)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
7779-90-0	trizinc bis(orthophosphate)	D, I, II

- **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
100-41-4	ethylbenzene	A3
1332-58-7	Kaolin	A4
64-17-5	ethanol	A3
1333-86-4	Carbon black	A4
67-63-0	propan-2-ol	A4

- **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 GHS08

- **Signal word** Danger

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

ethylbenzene
Stoddard solvent
titanium dioxide
ethanol

- **Hazard statements**

Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
May cause damage to the hearing organs through prolonged or repeated exposure.
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.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.

(Contd. on page 14)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER

(Contd. of page 13)

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

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 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.

Get medical advice/attention if you feel unwell.

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 cool.

Store locked up.

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

• **National regulations:**

• **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

• **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

• **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:** Product Safety Dept.

• **Date of preparation / last revision** 03/30/2020 / 3

• **Abbreviations and acronyms:**

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)

HMS: 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

BEL: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1A: Carcinogenicity – Category 1A

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

(Contd. on page 15)

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/30/2020

Reviewed on 02/28/2020

Trade name: P9.3.K1 HB EPOXY PRIMER*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

(Contd. of page 14)

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

USA