



Safety Data Sheet acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/23/2024

1 Identification

- **Product identifier**
- **Trade name:** 7501 2.1 VOC HS EPOXY PRIMER/SEALER (BLACK)
- **Article number:** 7501
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
HIGH TECK PRODUCTS
PO BOX 24631
WEST PALM BEACH, FLORIDA 33416
USA
877-900-8325
info@highteckproducts.com
- **Information department:** Product safety department
- **Emergency telephone number:** 800 424-9300 (Chemtrec)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 1A

H350 May cause cancer. Route of exposure:
Inhalation.

Toxic to Reproduction 2

H361 Suspected of damaging fertility or the
unborn child.

Specific Target Organ Toxicity - Repeated Exposure
2

H373 May cause damage to the lung and the
hearing organs through prolonged or
repeated exposure.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

Eye Irritation 2A

H319 Causes serious eye irritation.

Aquatic Acute 3

H402 Harmful to aquatic life.

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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).

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

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

4-chloro-alpha,alpha,alpha-trifluorotoluene
toluene

ethylbenzene

ethanol

· **Hazard statements**

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause cancer. Route of exposure: Inhalation.

Suspected of damaging fertility or the unborn child.

May cause damage to the lung and the hearing organs through prolonged or repeated exposure.

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.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

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 CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **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	10-25%
68410-23-1	Liquid Polyamide Resin	10-25%
110-43-0	heptan-2-one	10-25%
78-93-3	butanone	2.5-10%
1330-20-7	xylene	2.5-10%
108-88-3	toluene	0-10%
100-41-4	ethylbenzene	2.5-10%
7779-90-0	trizinc bis(orthophosphate)	≤2.5%
1333-86-4	Carbon black	≤2.5%
64-17-5	ethanol	≤2.5%
67-56-1	methanol	≤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:** 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.

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- **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.
- **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 section 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
110-43-0	heptan-2-one	150 ppm
78-93-3	butanone	200 ppm
1330-20-7	xylene	130 ppm
108-88-3	toluene	67 ppm
100-41-4	ethylbenzene	33 ppm
7779-90-0	trizinc bis(orthophosphate)	12 mg/m ³
1333-86-4	Carbon black	9 mg/m ³
64-17-5	ethanol	1,800 ppm
67-56-1	methanol	530 ppm
108-38-3	m-xylene	130 ppm
111-76-2	2-butoxyethanol	60 ppm
67-63-0	propan-2-ol	400 ppm

- **PAC-2:**

68410-23-1	Liquid Polyamide Resin	330 mg/m ³
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110-43-0	heptan-2-one	670 ppm
78-93-3	butanone	2700* ppm
1330-20-7	xylene	920* ppm
108-88-3	toluene	560 ppm
100-41-4	ethylbenzene	1100* ppm
7779-90-0	trizinc bis(orthophosphate)	36 mg/m ³
1333-86-4	Carbon black	99 mg/m ³
64-17-5	ethanol	3300* ppm
67-56-1	methanol	2,100 ppm
108-38-3	m-xylene	920 ppm
111-76-2	2-butoxyethanol	120 ppm
67-63-0	propan-2-ol	2000* ppm

· **PAC-3:**

68410-23-1	Liquid Polyamide Resin	2,000 mg/m ³
110-43-0	heptan-2-one	4000* ppm
78-93-3	butanone	4000* ppm
1330-20-7	xylene	2500* ppm
108-88-3	toluene	3700* ppm
100-41-4	ethylbenzene	1800* ppm
7779-90-0	trizinc bis(orthophosphate)	220 mg/m ³
1333-86-4	Carbon black	590 mg/m ³
64-17-5	ethanol	15000* ppm
67-56-1	methanol	7200* ppm
108-38-3	m-xylene	2500* ppm
111-76-2	2-butoxyethanol	700 ppm
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.

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· **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 section 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.

110-43-0 heptan-2-one

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

TLV Long-term value: 50 ppm

78-93-3 butanone

PEL Long-term value: 590 mg/m³, 200 ppmREL Short-term value: 885 mg/m³, 300 ppmLong-term value: 590 mg/m³, 200 ppm

TLV Short-term value: NIC-150 (300) ppm

Long-term value: NIC-75 (200) ppm

BEI, NIC-Skin

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 655 mg/m³, 150 ppmLong-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

BEI, A4

108-88-3 toluene

PEL Long-term value: 200 ppm

Ceiling limit value: 300; 500* ppm

*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppmLong-term value: 375 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

BEI, OTO, A4

100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 545 mg/m³, 125 ppmLong-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

OTO, BEI, A3

1333-86-4 Carbon black

PEL Long-term value: 3.5 mg/m³REL Long-term value: 3.5* mg/m³

*0.1 in presence of PAHs; See Pocket Guide Apps.A+C

TLV Long-term value: 3* mg/m³

*inhalable fraction, A3

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64-17-5 ethanol

PEL Long-term value: 1900 mg/m³, 1000 ppm
 REL Long-term value: 1900 mg/m³, 1000 ppm
 TLV Short-term value: 1000 ppm
 A3

67-56-1 methanol

PEL Long-term value: 260 mg/m³, 200 ppm
 REL Short-term value: 325 mg/m³, 250 ppm
 Long-term value: 260 mg/m³, 200 ppm
 Skin
 TLV Short-term value: 250 ppm
 Long-term value: 200 ppm
 Skin; BEI

Ingredients with biological limit values:**78-93-3 butanone**

BEI 2 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Methyl ethyl ketone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

108-88-3 toluene

BEI 0.02 mg/L
 Medium: blood
 Time: prior to last shift of workweek
 Parameter: Toluene

0.03 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Toluene

0.3 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: o-Cresol with hydrolysis (background)

100-41-4 ethylbenzene

BEI 0.15 g/g creatinine
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

67-56-1 methanol

BEI 15 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Methanol (background, nonspecific)

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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.
Store protective clothing separately.
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:	Black
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:	79-80.5 °C (174.2-176.9 °F)

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· Flash point:	-4 °C (24.8 °F)
· Flammability (solid, gaseous):	Highly flammable.
· Auto igniting:	393 °C (739.4 °F)
· Decomposition temperature:	Not determined.
· Ignition temperature:	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:	5.5 Vol %
· Vapor pressure at 20 °C (68 °F):	3.5 hPa (2.6 mm Hg)
· Vapor pressure at 50 °C (122 °F):	38.6 hPa (29 mm Hg)
· Density at 20 °C (68 °F):	1.2268 g/cm ³ (10.2376 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:	28.7-30.8 %
Water:	2.6 %
VOC content:	28.65-30.84 %
	329.5 g/l / 2.75 lb/gal
Solids content:	57.2 %
· 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.

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11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **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)**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2B
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
1330-20-7	xylene	3
108-88-3	toluene	3
100-41-4	ethylbenzene	2B
1333-86-4	Carbon black	2B
64-17-5	ethanol	1
95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
111-76-2	2-butoxyethanol	3
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

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

14 Transport information

- | | |
|---|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | <p>UN1263</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG, IATA | <p>Paint
PAINT</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <p></p> |
| <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids
3</p> |
| <ul style="list-style-type: none"> · IMDG, IATA | <p></p> |
| <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids
3</p> |
| <ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA | <p>II</p> |
| <ul style="list-style-type: none"> · Environmental hazards: | <p>Not applicable.</p> |
| <ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): 33 · EMS Number: · Stowage Category | <p>Warning: Flammable liquids
F-E, S-E
B</p> |

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- | | |
|--|---|
| · 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 |
| <hr style="border-top: 1px dashed black;"/> | |
| · 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, 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
108-88-3	toluene
100-41-4	ethylbenzene
7779-90-0	trizinc bis(orthophosphate)
67-56-1	methanol
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene
111-76-2	2-butoxyethanol
67-63-0	propan-2-ol

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

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

1330-20-7	xylene
108-88-3	toluene
100-41-4	ethylbenzene
67-56-1	methanol
95-47-6	o-xylene
106-42-3	p-xylene
108-38-3	m-xylene

- **Proposition 65**

- **Chemicals known to cause cancer:**

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

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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:	
108-88-3	toluene
64-17-5	ethanol
67-56-1	methanol

· **Carcinogenic categories**

· EPA (Environmental Protection Agency)		
78-93-3	butanone	I
1330-20-7	xylene	I
108-88-3	toluene	II
100-41-4	ethylbenzene	D
7779-90-0	trizinc bis(orthophosphate)	D, I, II
95-47-6	o-xylene	I
106-42-3	p-xylene	I
108-38-3	m-xylene	I
111-76-2	2-butoxyethanol	NL

· **TLV (Threshold Limit Value)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1330-20-7	xylene	A4
108-88-3	toluene	A4
100-41-4	ethylbenzene	A3
1333-86-4	Carbon black	A4
64-17-5	ethanol	A3
95-47-6	o-xylene	A4
106-42-3	p-xylene	A4
108-38-3	m-xylene	A4
111-76-2	2-butoxyethanol	A3
67-63-0	propan-2-ol	A4

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

1333-86-4	Carbon black
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· **GHS label elements**

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

· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

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

4-chloro-alpha,alpha,alpha-trifluorotoluene
toluene
ethylbenzene
ethanol

· **Hazard statements**

Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause cancer. Route of exposure: Inhalation.
Suspected of damaging fertility or the unborn child.
May cause damage to the lung and the hearing organs through prolonged or repeated exposure.
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.
Specific treatment (see on this label).
Get medical advice/attention if you feel unwell.
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 CO₂, powder or water spray to extinguish.
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:**

· **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** 02/27/2024

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USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/27/2024

Reviewed on 02/23/2024

Trade name: 7501 2.1 VOC HS EPOXY PRIMER/SEALER (BLACK)

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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

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)

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

Flammable Liquids 2: Flammable liquids – Category 2

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Carcinogenicity 1A: Carcinogenicity – Category 1A

Toxic to Reproduction 2: Reproductive toxicity – Category 2

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

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

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

USA