

Safety Data Sheet acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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:**
GlobalStar is a product of Lusid Technologies Inc.
4725 S Camp Kearns Road
Kearns, UT 84118
(801) 966-5300
info@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

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 1B

H350 May cause cancer. Route of exposure:
Inhalation.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 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).

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 1)

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:

4-chloro-alpha,alpha,alpha-trifluorotoluene

acetone

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)

n-butyl acetate

Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause cancer. Route of exposure: Inhalation.

May cause drowsiness or dizziness.

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 CO₂, powder or water spray to extinguish.

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

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	10-25%
67-64-1	acetone	10-25%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2.5-10%
123-86-4	n-butyl acetate	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**
- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 3)

- **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:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of 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:

67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 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
1330-20-7	xylene	130 ppm
9002-88-4	Polyethylene low density	16 mg/m ³
112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m ³
1314-13-2	zinc oxide	10 mg/m ³
1333-86-4	Carbon black	9 mg/m ³
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
100-41-4	ethylbenzene	33 ppm

· PAC-2:

67-64-1	acetone	3200* ppm
123-86-4	n-butyl acetate	200 ppm
110-43-0	heptan-2-one	670 ppm
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
1330-20-7	xylene	920* ppm
9002-88-4	Polyethylene low density	170 mg/m ³

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 4)

112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m ³
1314-13-2	zinc oxide	15 mg/m ³
1333-86-4	Carbon black	290 mg/m ³
77-58-7	dibutyltin dilaurate	3.8 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
100-41-4	ethylbenzene	1100 ppm

· **PAC-3:**

67-64-1	acetone	5700* ppm
123-86-4	n-butyl acetate	3000* 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
1330-20-7	xylene	2500* ppm
9002-88-4	Polyethylene low density	1,000 mg/m ³
112926-00-8	Precipitated silica (Silica-Amorphous)	1,200 mg/m ³
1314-13-2	zinc oxide	2,500 mg/m ³
1333-86-4	Carbon black	1750 mg/m ³
77-58-7	dibutyltin dilaurate	23 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
100-41-4	ethylbenzene	1800 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.

· **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.

(Contd. on page 6)

-USA-

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 5)

- 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.

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 A4, BEI

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

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: 50 ppm

7727-43-7 barium sulphate, natural

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: 5* mg/m ³ *inhalable fraction; E

- Ingredients with biological limit values:

67-64-1 acetone

BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (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.

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 6)

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:

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:

Highly flammable.

Auto igniting:

370 °C (698 °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:

2.6 Vol %

(Contd. on page 8)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 7)

Upper:	13 Vol %
· Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
· Vapor pressure at 50 °C (122 °F):	800 hPa (600 mm Hg)
· Density at 20 °C (68 °F):	1.4544 g/cm ³ (12.137 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:	29.2 %
VOC content:	12.08 %
	193.8 g/l / 1.62 lb/gal
· Solids content:	63.0 %
· 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:**
- **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
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2B

(Contd. on page 9)

-USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 8)

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2A
13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
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

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

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1300
- **UN proper shipping name**
- **DOT** Turpentine substitute

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 9)

· **IMDG, IATA**

TURPENTINE SUBSTITUTE

· **Transport hazard class(es)**· **DOT**· **Class**

3 Flammable liquids

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids

· **Label**

3

· **Packing group**· **DOT, IMDG, IATA**

II

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Flammable liquids

· **Hazard identification number (Kemler code):**

33

· **EMS Number:**

F-E, S-E

· **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):**

7727-43-7 barium sulphate, natural

(Contd. on page 11)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 10)

7779-90-0	trizinc bis(orthophosphate)
1330-20-7	xylene
1314-13-2	zinc oxide
100-41-4	ethylbenzene

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

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	ACTIVE
67-64-1	acetone	ACTIVE
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
110-43-0	heptan-2-one	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
7727-43-7	barium sulphate, natural	ACTIVE
7779-90-0	trizinc bis(orthophosphate)	ACTIVE
7784-30-7	Aluminium phosphate	ACTIVE
1332-58-7	Kaolin	ACTIVE
1330-20-7	xylene	ACTIVE
9002-88-4	Polyethylene low density	ACTIVE
1314-13-2	zinc oxide	ACTIVE
1333-86-4	Carbon black	ACTIVE
77-58-7	dibutyltin dilaurate	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
100-41-4	ethylbenzene	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene
100-41-4	ethylbenzene

· **Proposition 65**· **Chemicals known to cause cancer:**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
13463-67-7	titanium dioxide
1333-86-4	Carbon black
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:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
7779-90-0	trizinc bis(orthophosphate)	D, I, II
1330-20-7	xylene	I

(Contd. on page 12)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 11)

1314-13-2	zinc oxide	D, I, II
100-41-4	ethylbenzene	D

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
13463-67-7	titanium dioxide	A4
1332-58-7	Kaolin	A4
1330-20-7	xylene	A4
1333-86-4	Carbon black	A4
77-58-7	dibutyltin dilaurate	A4
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 GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

4-chloro-alpha, alpha, alpha-trifluorotoluene
acetone

Talc (Mg₃H₂(SiO₃)₄)

n-butyl acetate

· **Hazard statements**

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause cancer. Route of exposure: Inhalation.

May cause drowsiness or dizziness.

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.

(Contd. on page 13)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2025

Reviewed on 10/10/2025

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

(Contd. of page 12)

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 CO2, powder or water spray to extinguish.
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.

- **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** 10/10/2025 / 8

- **Abbreviations and acronyms:**

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)

HMIS: 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 1B: Carcinogenicity – Category 1B

Specific Target Organ Toxicity - Single Exposure 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

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