

## Safety Data Sheet acc. to OSHA HCS

Printing date 08/26/2025

Reviewed on 08/26/2025

### 1 Identification

- **Product identifier**
- **Trade name:** **LXK LIXX BLACK**
- **Article number:** LXK LIXX
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 NorthStar 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

Germ Cell Mutagenicity 1B

H340 May cause genetic defects.

Carcinogenicity 1A

H350 May cause cancer.

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 organs through prolonged or repeated exposure.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

- **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:**

toluene  
Carbon black  
Solvent naphtha (petroleum), light arom.  
ethylbenzene

· **Hazard statements**

Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

· **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.  
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 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.  
In case of fire: Use CO<sub>2</sub>, 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.

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

Health = 1  
Fire = 3  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = \*1  
Fire = 3  
Reactivity = 0

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- **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:**

108-65-6	2-methoxy-1-methylethyl acetate	10-25%
1330-20-7	xylene	10-25%
123-86-4	n-butyl acetate	2.5-10%
108-88-3	toluene	2.5-10%
110-43-0	heptan-2-one	2.5-10%
1333-86-4	Carbon black	≤2.5%
100-41-4	ethylbenzene	≤2.5%
64742-95-6	Solvent naphtha (petroleum), light arom.	≤2.5%
64-17-5	ethanol	≤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.
- **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:**  
CO<sub>2</sub>, 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**  
During heating or in case of fire poisonous gases are produced.

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- **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 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:

108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1330-20-7	xylene	130 ppm
123-86-4	n-butyl acetate	5 ppm
108-88-3	toluene	67 ppm
110-43-0	heptan-2-one	150 ppm
1333-86-4	Carbon black	9 mg/m <sup>3</sup>
100-41-4	ethylbenzene	33 ppm
64-17-5	ethanol	1,800 ppm
7664-38-2	phosphoric acid	3 mg/m <sup>3</sup>
67-56-1	methanol	530 ppm
122-99-6	2-phenoxyethanol	1.5 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m <sup>3</sup>
67-63-0	propan-2-ol	400 ppm
556-67-2	octamethylcyclotetrasiloxane	360 mg/m <sup>3</sup>

### · PAC-2:

108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
1330-20-7	xylene	920* ppm
123-86-4	n-butyl acetate	200 ppm
108-88-3	toluene	560 ppm
110-43-0	heptan-2-one	670 ppm
1333-86-4	Carbon black	290 mg/m <sup>3</sup>
100-41-4	ethylbenzene	1100 ppm
64-17-5	ethanol	3300* ppm
7664-38-2	phosphoric acid	30 mg/m <sup>3</sup>
67-56-1	methanol	2100 ppm
122-99-6	2-phenoxyethanol	16 ppm
77-58-7	dibutyltin dilaurate	3.8 mg/m <sup>3</sup>

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67-63-0	propan-2-ol	2000* ppm
556-67-2	octamethylcyclotetrasiloxane	530 mg/m3
<b>PAC-3:</b>		
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
1330-20-7	xylene	2500* ppm
123-86-4	n-butyl acetate	3000* ppm
108-88-3	toluene	3700 ppm
110-43-0	heptan-2-one	4000* ppm
1333-86-4	Carbon black	1750 mg/m3
100-41-4	ethylbenzene	1800 ppm
64-17-5	ethanol	15000* ppm
7664-38-2	phosphoric acid	150 mg/m <sup>3</sup>
67-56-1	methanol	7200 ppm
122-99-6	2-phenoxyethanol	97 ppm
77-58-7	dibutyltin dilaurate	23 mg/m3
67-63-0	propan-2-ol	12000** ppm
556-67-2	octamethylcyclotetrasiloxane	1600 mg/m3

## 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.
- **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 remaining constituent has no known exposure limits.

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**108-65-6 2-methoxy-1-methylethyl acetate**

WEEL Long-term value: 50 ppm

**1330-20-7 xylene**PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppmREL Short-term value: 655 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 435 mg/m<sup>3</sup>, 100 ppmTLV Long-term value: 20 ppm  
BEI, A4**123-86-4 n-butyl acetate**PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppmREL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 710 mg/m<sup>3</sup>, 150 ppmTLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 238 mg/m<sup>3</sup>, 50 ppm**108-88-3 toluene**PEL Long-term value: 200 ppm  
Ceiling limit value: 300; 500\* ppm  
\*10-min peak per 8-hr shiftREL Short-term value: 560 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 375 mg/m<sup>3</sup>, 100 ppmTLV Long-term value: 20 ppm  
BEI, OTO, A4**110-43-0 heptan-2-one**PEL Long-term value: 465 mg/m<sup>3</sup>, 100 ppmREL Long-term value: 465 mg/m<sup>3</sup>, 100 ppm

TLV Long-term value: 50 ppm

**1333-86-4 Carbon black**PEL Long-term value: 3.5 mg/m<sup>3</sup>REL Long-term value: 3.5\* mg/m<sup>3</sup>  
\*0.1 in presence of PAHs; See Pocket Guide Apps.A+CTLV Long-term value: 3\* mg/m<sup>3</sup>  
\*inhalable fraction, A3**100-41-4 ethylbenzene**PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppmREL Short-term value: 545 mg/m<sup>3</sup>, 125 ppm  
Long-term value: 435 mg/m<sup>3</sup>, 100 ppmTLV Long-term value: 20 ppm  
OTO, BEI, A3**64-17-5 ethanol**PEL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppmREL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppmTLV Short-term value: 1880 mg/m<sup>3</sup>, 1000 ppm  
A3

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· **Ingredients with biological limit values:**

**1330-20-7 xylene**

BEI 0.3 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  
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (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.  
 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 skin.  
 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

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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: 110-111 °C (230-231.8 °F)

- **Flash point:** 4 °C (39.2 °F)

- **Flammability:** Highly flammable.

- **Auto igniting:** 315 °C (599 °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: 1.1 Vol %

Upper: 10.8 Vol %

- **Vapor pressure at 20 °C (68 °F):** 6.7-8.2 hPa (5-6.2 mm Hg)

- **Density at 20 °C (68 °F):** 1.0138 g/cm<sup>3</sup> (8.4602 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.

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· <b>Solvent content:</b>	
<b>Organic solvents:</b>	53.0 %
<b>VOC content:</b>	53.02 %
	529.5 g/l / 4.42 lb/gal
· <b>Solids content:</b>	47.8 %
· <b>Other information</b>	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:**

### 1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No 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)**

1330-20-7	xylene	3
108-88-3	toluene	3
1333-86-4	Carbon black	2B
100-41-4	ethylbenzene	2B
64-17-5	ethanol	1
67-63-0	propan-2-ol	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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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.
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 2 (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

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

## 14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1263

- **UN proper shipping name**
- **DOT** Paint
- **IMDG, IATA** PAINT

- **Transport hazard class(es)**
- **DOT**



- **Class** 3 Flammable liquids

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· <b>Label</b>	3
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>DOT, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Flammable liquids
· <b>Hazard identification number (Kemler code):</b>	33
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	B
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	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
7664-38-2	phosphoric acid
67-56-1	methanol
122-99-6	2-phenoxyethanol
67-63-0	propan-2-ol

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· TSCA (Toxic Substances Control Act):		
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
108-88-3	toluene	ACTIVE
110-43-0	heptan-2-one	ACTIVE
1333-86-4	Carbon black	ACTIVE
100-41-4	ethylbenzene	ACTIVE
64742-95-6	Solvent naphtha (petroleum), light arom.	ACTIVE
64-17-5	ethanol	ACTIVE
7664-38-2	phosphoric acid	ACTIVE
67-56-1	methanol	ACTIVE
122-99-6	2-phenoxyethanol	ACTIVE
77-58-7	dibutyltin dilaurate	ACTIVE
67-63-0	propan-2-ol	ACTIVE
556-67-2	octamethylcyclotetrasiloxane	ACTIVE

· Hazardous Air Pollutants		
1330-20-7	xylene	
108-88-3	toluene	
100-41-4	ethylbenzene	
67-56-1	methanol	

· Proposition 65		
· Chemicals known to cause cancer:		
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:		
108-88-3	toluene	
64-17-5	ethanol	
67-56-1	methanol	

· Carcinogenic categories		
· EPA (Environmental Protection Agency)		
1330-20-7	xylene	I
108-88-3	toluene	II
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value)		
1330-20-7	xylene	A4
108-88-3	toluene	A4
1333-86-4	Carbon black	A4
100-41-4	ethylbenzene	A3

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64-17-5	ethanol	A3
77-58-7	dibutyltin dilaurate	A4
67-63-0	propan-2-ol	A4

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

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:**

toluene  
Carbon black  
Solvent naphtha (petroleum), light arom.  
ethylbenzene

· **Hazard statements**

Highly flammable liquid and vapor.  
Causes skin irritation.  
May cause genetic defects.  
May cause cancer.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

· **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.  
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 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.  
In case of fire: Use CO<sub>2</sub>, 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:**

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

Carcinogenic hazardous material group III (dangerous).

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- **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** 08/26/2025 / 5

- **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)

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

Flammable Liquids 2: Flammable liquids – Category 2

Skin Irritation 2: Skin corrosion/irritation – Category 2

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

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

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

USA