Safety Data Sheet
acc. to OSHA HCS

Date of issue: 06/30/2026 Reviewed on 06/30/2026

1 Identification

· **Product identifier**

· **Trade name: SPEO-015-BN, SQCO-015-BN**
· **Other means of identification**
· **Application of the substance / the mixture** For Laboratory Use Only

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
NSI Lab Solutions
7212 ACC Blvd.,
Raleigh, NC 27617
USA

· **Information department:** Product safety department
· **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

* 2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS08 Health hazard

Germ cell mutagenicity 2	H341 Suspected of causing genetic defects.
Carcinogenicity 1A	H350 May cause cancer.
Reproductive toxicity 1B	H360 May damage fertility or the unborn child.
Specific target organ toxicity (single exposure) 1	H370 Causes damage to organs.
Specific target organ toxicity (repeated exposure) 1	H372 Causes damage to organs through prolonged or repeated exposure.

GHS07

Sensitization - skin 1	H317 May cause an allergic skin reaction.

· **Label elements**
· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)

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nitrobenzene
2,4-dinitrotoluene
hexachlorobenzene
hexachlorobuta-1,3-diene

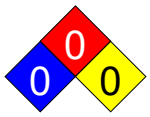
· **Hazard statements**
May cause an allergic skin reaction.
Suspected of causing genetic defects.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If on skin: Wash with plenty of water.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Information pertaining to particular dangers for man and environment:**

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

*Health = *0*
Fire = 0
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:**	
87-68-3	*hexachlorobuta-1,3-diene*

· **vPvB:**	
87-68-3	*hexachlorobuta-1,3-diene*

· **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

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* 3 Composition/information on ingredients

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

· **Dangerous components:**		
14808-60-7	Quartz (SiO2)	80–100%
67-64-1	acetone	≥3–≤5%
67-72-1	hexachloroethane	≥0.1–≤1%
87-68-3	hexachlorobuta-1,3-diene	≥0.1–<1%
87-86-5	pentachlorophenol	≥0.1–≤1%
88-06-2	2,4,6-trichlorophenol	≥0.1–≤1%
95-95-4	2,4,5-trichlorophenol	≥0.1–≤1%
98-95-3	nitrobenzene	≥0.1–≤1%
110-86-1	pyridine	≥0.1–≤1%
118-74-1	hexachlorobenzene	≥0.1–≤1%
121-14-2	2,4-dinitrotoluene	≥0.1–<1%

· **Non-hazardous components**		
95-48-7	o-cresol	≥0–<1%
106-44-5	p-cresol	≥0–<1%
108-39-4	m-cresol	≥0–<1%
106-46-7	1,4-dichlorobenzene	≥0–<0.1%

* 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 and to be sure call for a doctor.
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.
· **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:** Use fire fighting measures that suit the environment.
· **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.

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* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
· **Environmental precautions:**
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.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
14808-60-7	Quartz (SiO2)	0.075 mg/m³
67-64-1	acetone	200 ppm
67-72-1	hexachloroethane	3 ppm
87-68-3	hexachlorobuta-1,3-diene	1.0 ppm
87-86-5	pentachlorophenol	1 mg/m³
88-06-2	2,4,6-trichlorophenol	2.5 mg/m³
95-95-4	2,4,5-trichlorophenol	2.5 mg/m³
98-95-3	nitrobenzene	3 ppm
110-86-1	pyridine	3 ppm
118-74-1	hexachlorobenzene	0.006 mg/m³
121-14-2	2,4-dinitrotoluene	0.6 mg/m³
106-46-7	1,4-dichlorobenzene	30 ppm

· **PAC-2:**		
14808-60-7	Quartz (SiO2)	8.3 mg/m3
67-64-1	acetone	3200* ppm
67-72-1	hexachloroethane	36 ppm
87-68-3	hexachlorobuta-1,3-diene	3.0 ppm
87-86-5	pentachlorophenol	15 mg/m³
88-06-2	2,4,6-trichlorophenol	27 mg/m³
95-95-4	2,4,5-trichlorophenol	27 mg/m³
98-95-3	nitrobenzene	20 ppm
110-86-1	pyridine	19 ppm
118-74-1	hexachlorobenzene	120 mg/m3
121-14-2	2,4-dinitrotoluene	8.8 mg/m3
106-46-7	1,4-dichlorobenzene	170 ppm

· **PAC-3:**		
14808-60-7	Quartz (SiO2)	50 mg/m3
67-64-1	acetone	5700* ppm
67-72-1	hexachloroethane	300 ppm
87-68-3	hexachlorobuta-1,3-diene	10 ppm
87-86-5	pentachlorophenol	150 mg/m³
88-06-2	2,4,6-trichlorophenol	160 mg/m³
95-95-4	2,4,5-trichlorophenol	160 mg/m³

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98-95-3	nitrobenzene	200 ppm
110-86-1	pyridine	3600* ppm
118-74-1	hexachlorobenzene	690 mg/m3
121-14-2	2,4-dinitrotoluene	53 mg/m3
106-46-7	1,4-dichlorobenzene	1,000 ppm

· **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.

7 Handling and storage

· **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 respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

· **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.

14808-60-7 Quartz (SiO2)	
PEL	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *respirable particulate matter, A2
67-64-1 acetone	
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm A4, BEI

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67-72-1 hexachloroethane	
PEL	Long-term value: 10 mg/m³, 1 ppm Skin
REL	Long-term value: 10 mg/m³, 1 ppm Skin; See Pocket Guide Apps. A and C
TLV	Long-term value: 9.7 mg/m³, 1 ppm Skin, A3
87-68-3 hexachlorobuta-1,3-diene	
REL	Long-term value: 0.24 mg/m³, 0.02 ppm Skin; See Pocket Guide App. A
TLV	Long-term value: 0.21 mg/m³, 0.02 ppm Skin, A3
87-86-5 pentachlorophenol	
PEL	Long-term value: 0.5 mg/m³ Skin
REL	Long-term value: 0.5 mg/m³ Skin
TLV	Short-term value: 1* mg/m³, 0.1* ppm Long-term value: 0.5* mg/m³, 0.05* ppm Skin; BEI;*inh. fraction+vapor, A3
98-95-3 nitrobenzene	
PEL	Long-term value: 5 mg/m³, 1 ppm Skin
REL	Long-term value: 5 mg/m³, 1 ppm Skin
TLV	Long-term value: 5 mg/m³, 1 ppm Skin; BEIm, A3
110-86-1 pyridine	
PEL	Long-term value: 15 mg/m³, 5 ppm
REL	Long-term value: 15 mg/m³, 5 ppm
TLV	Long-term value: 3.1 mg/m³, 1 ppm A3
118-74-1 hexachlorobenzene	
TLV	Long-term value: 0.002 mg/m³ Skin, A3

· **Ingredients with biological limit values:**	
67-64-1 acetone	
BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
87-86-5 pentachlorophenol	
BEI	- Medium: urine Time: prior to last shift of workweek Parameter: Pentachlorophenol with hydrolysis (nonquantitative)

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98-95-3 nitrobenzene	
BEI	5 % of hemoglobin Medium: blood Time: during or end of shift Parameter: Methemoglobin (background, non-specific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **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.
· **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

· **Body protection:** Protective work clothing

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Liquid
· **Color:**	According to product specification
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **Melting point/Melting range:**	Undetermined.
· **Boiling point/Boiling range:**	2,230 °C (3630 °F)
· **Flammability:**	Not applicable.

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· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not determined.
· **Viscosity:**	
· **Kinematic:**	Not determined.
· **Dynamic:**	Not determined.
· **Solubility in / Miscibility with**	
· **Water:**	Fully miscible.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Vapor pressure at 1732 °C (3,149.6 °F):**	13.5 hPa (10.1 mm Hg)
· **Vapor pressure:**	
· **Density at 20 °C (68 °F):**	>2.07988–<2.58142 g/cm³ (>17.3566–<21.54195 lbs/gal)
· **Relative density**	Not determined.
· **Bulk density:**	>1,333–<1,421 kg/m³
· **Vapor density**	Not determined.
· **Particle characteristics**	Not applicable.
· **Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **Organic solvents:**	3.2–5.4 %
· **VOC content:**	0–0.45 % >9.4–<55.5 g/l / >0.08–<0.46 lb/gal
· **Solids content:**	>95–96.2 %
· **Change in condition**	
· **Evaporation rate**	Not determined.

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:**

· **LD/LC50 values that are relevant for classification:**		
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
87-86-5 pentachlorophenol		
Oral	LD50	27 mg/kg (rat)
Dermal	LD50	105 mg/kg (rat)
88-06-2 2,4,6-trichlorophenol		
Oral	LD50	820 mg/kg (rat)
98-95-3 nitrobenzene		
Oral	LD50	780 mg/kg (rat)
110-86-1 pyridine		
Oral	LD50	891 mg/kg (rat)
Dermal	LD50	1,121 mg/kg (rabbit)
121-14-2 2,4-dinitrotoluene		
Oral	LD50	268 mg/kg (rat)

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
· **Interactive effects** No interactive effects between components are known.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
14808-60-7	Quartz (SiO2)	1
67-72-1	hexachloroethane	2B
87-68-3	hexachlorobuta-1,3-diene	3
87-86-5	pentachlorophenol	1
88-06-2	2,4,6-trichlorophenol	2B
95-95-4	2,4,5-trichlorophenol	2B
98-95-3	nitrobenzene	2B
110-86-1	pyridine	2B
118-74-1	hexachlorobenzene	2B
121-14-2	2,4-dinitrotoluene	2B
106-46-7	1,4-dichlorobenzene	2B

· **NTP (National Toxicology Program)**		
14808-60-7	Quartz (SiO2)	K
67-72-1	hexachloroethane	R

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87-86-5	pentachlorophenol	R
88-06-2	2,4,6-trichlorophenol	R
98-95-3	nitrobenzene	R
118-74-1	hexachlorobenzene	R
106-46-7	1,4-dichlorobenzene	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**

· **PBT:**

87-68-3	hexachlorobuta-1,3-diene

· **vPvB:**

87-68-3	hexachlorobuta-1,3-diene

· **Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

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** not regulated

· **UN proper shipping name**
· **DOT, IMDG, IATA** not regulated

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· **Transport hazard class(es)**	
· **DOT, ADN, IMDG, IATA**	
· **Class**	not regulated
· **Packing group**	
· **DOT, IMDG, IATA**	not regulated
· **Environmental hazards:**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Special precautions for user**	Not applicable.
· **UN "Model Regulation":**	not regulated

* 15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**	
95-48-7	o-cresol
98-95-3	nitrobenzene

· **Section 313 (Specific toxic chemical listings):**	
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
87-86-5	pentachlorophenol
88-06-2	2,4,6-trichlorophenol
95-48-7	o-cresol
95-95-4	2,4,5-trichlorophenol
98-95-3	nitrobenzene
106-44-5	p-cresol
108-39-4	m-cresol
110-86-1	pyridine
118-74-1	hexachlorobenzene
121-14-2	2,4-dinitrotoluene
106-46-7	1,4-dichlorobenzene

· **TSCA (Toxic Substances Control Act):**
All components have the value ACTIVE.

· **Hazardous Air Pollutants**	
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
87-86-5	pentachlorophenol
88-06-2	2,4,6-trichlorophenol
95-48-7	o-cresol
95-95-4	2,4,5-trichlorophenol

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98-95-3	nitrobenzene
106-44-5	p-cresol
108-39-4	m-cresol
118-74-1	hexachlorobenzene
121-14-2	2,4-dinitrotoluene
106-46-7	1,4-dichlorobenzene

· **Proposition 65**

· **Chemicals known to cause cancer:**	
14808-60-7	Quartz (SiO2)
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
87-86-5	pentachlorophenol
88-06-2	2,4,6-trichlorophenol
98-95-3	nitrobenzene
110-86-1	pyridine
118-74-1	hexachlorobenzene
121-14-2	2,4-dinitrotoluene
106-46-7	1,4-dichlorobenzene

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**	
98-95-3	nitrobenzene
121-14-2	2,4-dinitrotoluene

· **Chemicals known to cause developmental toxicity:**	
118-74-1	hexachlorobenzene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**		
67-64-1	acetone	I
67-72-1	hexachloroethane	L
87-68-3	hexachlorobuta-1,3-diene	C
87-86-5	pentachlorophenol	L
88-06-2	2,4,6-trichlorophenol	B2
95-48-7	o-cresol	C
98-95-3	nitrobenzene	L
106-44-5	p-cresol	C
108-39-4	m-cresol	C
118-74-1	hexachlorobenzene	B2

· **TLV (Threshold Limit Value)**		
14808-60-7	Quartz (SiO2)	A2
67-64-1	acetone	A4
67-72-1	hexachloroethane	A3
87-68-3	hexachlorobuta-1,3-diene	A3

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87-86-5	pentachlorophenol	A3
98-95-3	nitrobenzene	A3
110-86-1	pyridine	A3
118-74-1	hexachlorobenzene	A3
106-46-7	1,4-dichlorobenzene	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
14808-60-7	Quartz (SiO2)
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
106-46-7	1,4-dichlorobenzene

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)
nitrobenzene
2,4-dinitrotoluene
hexachlorobenzene
hexachlorobuta-1,3-diene
· **Hazard statements**
May cause an allergic skin reaction.
Suspected of causing genetic defects.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs.
Causes 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.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If on skin: Wash with plenty of water.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **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:** - Department Technical Manager
· **Date of previous version** 05/01/2024
· **Date of preparation** 06/30/2026
· **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)
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
Sensitization - skin 1: Skin sensitisation – Category 1
Germ cell mutagenicity 2: Germ cell mutagenicity – Category 2
Carcinogenicity 1A: Carcinogenicity – Category 1A
Reproductive toxicity 1B: Reproductive toxicity – Category 1B
Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1
· *** Data compared to the previous version altered.**