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-007, SQCO-007**
· **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.
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

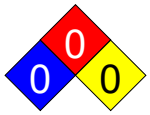
· **Hazard-determining components of labeling:**
Quartz (SiO2)
maleic anhydride

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 1)

nitrosodipropylamine
dimethylnitrosoamine
· **Hazard statements**
May cause an allergic skin reaction.
Suspected of causing genetic defects.
May cause cancer.
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:** *Not applicable.*
· **vPvB:** *Not applicable.*
· **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.

* 3 Composition/information on ingredients

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

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 2)

· **Dangerous components:**		
14808-60-7	Quartz (SiO2)	80–100%
67-56-1	methanol	≥0.5–<3%
67-64-1	acetone	≥0.5–≤5%
621-64-7	nitrosodipropylamine	≥0.001–≤0.1%
50-32-8	benzo[a]pyrene	≥0.01–<0.1%
53-70-3	dibenz[a,h]anthracene	≥0.01–≤0.1%
59-89-2	N-nitrosomorpholine	≥0.001–≤0.1%
62-75-9	dimethylnitrosoamine	≥0.001–≤0.1%
91-59-8	2-naphthylamine	≥0.01–≤0.1%
92-87-5	benzidine	≥0.01–≤0.1%
108-31-6	maleic anhydride	≥0.001–<0.1%

· **Non-hazardous components**		
95-53-4	o-toluidine	≥0–<0.1%
67-72-1	hexachloroethane	≥0–<0.1%
78-59-1	3,5,5-trimethylcyclohex-2-enone	≥0–<0.1%
87-68-3	hexachlorobuta-1,3-diene	≥0–<0.1%
95-50-1	1,2-dichlorobenzene	≥0–≤0.1%
98-95-3	nitrobenzene	≥0–<0.1%
101-55-3	4-Bromophenyl phenyl ether	≥0–<0.1%
106-46-7	1,4-dichlorobenzene	≥0–<0.1%
108-60-1	bis(2-chloro-1-methylethyl) ether	≥0–≤0.1%
111-44-4	bis(2-chloroethyl) ether	≥0–<0.1%
117-81-7	bis(2-ethylhexyl) phthalate	≥0–<0.1%
118-74-1	hexachlorobenzene	≥0–<0.1%
120-82-1	1,2,4-trichlorobenzene	≥0–≤0.1%
121-14-2	2,4-dinitrotoluene	≥0–<0.1%
132-64-9	dibenzofuran	≥0–≤0.1%
541-73-1	1,3-dichlorobenzene	≥0–≤0.1%
606-20-2	2,6-dinitrotoluene	≥0–<0.1%
51-28-5	2,4-dinitrophenol	≥0–≤0.1%
52-85-7	famphur	≥0–≤0.1%
53-96-3	N-fluoren-2-ylacetamide	≥0–<0.1%
55-18-5	diethylnitrosoamine	≥0–<0.1%
56-38-2	parathion (ISO)	≥0–<0.1%
56-49-5	3-methylcholanthrene	≥0–≤0.1%
56-55-3	benz[a]anthracene	≥0–<0.1%
56-57-5	4-Nitroquinoline-1-oxide	≥0–≤0.1%
57-97-6	7,12-dimethylbenz[a]anthracene	≥0–<0.1%
58-90-2	2,3,4,6-tetrachlorophenol	≥0–<0.1%
59-50-7	chlorocresol	≥0–<0.1%
60-11-7	4-dimethylaminoazobenzene	≥0–<0.1%
60-51-5	dimethoate (ISO)	≥0–≤0.1%

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 3)

62-44-2	phenacetin	≥0–<0.1%
62-50-0	ethyl methanesulphonate	≥0–<0.1%
62-53-3	aniline	≥0–<0.1%
65-85-0	Benzoic acid	≥0–≤0.1%
66-27-3	methyl methanesulphonate	≥0–<0.1%
70-30-4	2,2'-methylenebis-(3,4,6-tri-chlorophenol)	≥0–≤0.1%
77-47-4	hexachlorocyclopentadiene	≥0–≤0.1%
82-68-8	quintozene (ISO)	≥0–<0.1%
83-32-9	acenaphthene	≥0–≤0.1%
84-66-2	diethyl phthalate	≥0–<0.1%
84-74-2	dibutyl phthalate	≥0–<0.1%
85-01-8	phenanthrene, pure	≥0–<0.1%
85-68-7	BBP	≥0–<0.1%
86-30-6	nitrosodiphenylamine	≥0–≤0.1%
86-73-7	fluorene	≥0–<0.1%
86-74-8	carbazole	≥0–<0.1%
87-61-6	1,2,3-trichlorobenzene	≥0–≤0.1%
87-86-5	pentachlorophenol	≥0–<0.1%
88-06-2	2,4,6-trichlorophenol	≥0–<0.1%
88-74-4	o-nitroaniline	≥0–≤0.1%
88-75-5	2-nitrophenol	≥0–≤0.1%
88-85-7	dinoseb	≥0–<0.1%
90-12-0	1-methylnaphthalene	≥0–≤0.1%
90-13-1	1-chloronaphthalene	≥0–≤0.1%
91-20-3	naphthalene	≥0–<0.1%
91-57-6	2-methylnaphthalene	≥0–≤0.1%
91-58-7	2-chloronaphthalene	≥0–≤0.1%
91-94-1	3,3'-dichlorobenzidine	≥0–<0.1%
92-52-4	biphenyl	≥0–≤0.1%
92-67-1	biphenyl-4-ylamine	≥0–<0.1%
94-59-7	safrole	≥0–<0.1%
95-48-7	o-cresol	≥0–≤0.1%
95-57-8	2-chlorophenol	≥0–<0.1%
95-65-8	3,4-xylenol	≥0–≤0.1%
95-94-3	1,2,4,5-tetrachlorobenzene	≥0–<0.1%
95-95-4	2,4,5-trichlorophenol	≥0–<0.1%
98-86-2	acetophenone	≥0–≤0.1%
99-02-9	m-Dinitrobenzene	≥0–≤0.1%
99-09-2	m-nitroaniline	≥0–≤0.1%
99-35-4	1,3,5-trinitrobenzene	≥0–≤0.1%
99-55-8	5-nitro-o-toluidine	≥0–<0.1%
99-65-0	1,3-dinitrobenzene	≥0–≤0.1%
100-01-6	p-nitroaniline	≥0–≤0.1%

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 4)

100-02-7	4-nitrophenol	≥0–≤0.1%
100-25-4	1,4-dinitrobenzene	≥0–≤0.1%
100-51-6	benzyl alcohol	≥0–<0.1%
100-52-7	benzaldehyde	≥0–≤0.1%
100-75-4	1-nitrosopiperidine	≥0–<0.1%
101-84-8	diphenyl ether	≥0–≤0.1%
105-60-2	1,6-hexanolactam	≥0–≤0.1%
105-67-9	2,4-xylenol	≥0–≤0.1%
106-44-5	p-cresol	≥0–≤0.1%
106-47-8	4-chloroaniline	≥0–<0.1%
106-50-3	p-phenylenediamine	≥0–<0.1%
108-39-4	m-cresol	≥0–≤0.1%
108-95-2	phenol	≥0–≤0.1%
109-06-8	2-methylpyridine	≥0–≤0.1%
110-86-1	pyridine	≥0–<0.1%
111-91-1	bis(2-chloroethoxy)methane	≥0–≤0.1%
117-84-0	dioctyl phthalate	≥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.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
· **Environmental precautions:**
Dilute with plenty of water.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 5)

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
67-56-1	methanol	530 ppm
67-64-1	acetone	200 ppm
95-53-4	o-toluidine	6 ppm
67-72-1	hexachloroethane	3 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	12 ppm
87-68-3	hexachlorobuta-1,3-diene	1.0 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
98-95-3	nitrobenzene	3 ppm
101-55-3	4-Bromophenyl phenyl ether	0.41 mg/m3
106-46-7	1,4-dichlorobenzene	30 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	0.49 ppm
111-44-4	bis(2-chloroethyl) ether	10 ppm
117-81-7	bis(2-ethylhexyl) phthalate	10 mg/m³
118-74-1	hexachlorobenzene	0.006 mg/m³
120-82-1	1,2,4-trichlorobenzene	3.4 mg/m3
121-14-2	2,4-dinitrotoluene	0.6 mg/m³
132-64-9	dibenzofuran	30 mg/m³
541-73-1	1,3-dichlorobenzene	6 ppm
606-20-2	2,6-dinitrotoluene	0.18 mg/m3
621-64-7	nitrosodipropylamine	5.6 mg/m³
50-32-8	benzo[a]pyrene	0.0056 mg/m3
51-28-5	2,4-dinitrophenol	0.61 mg/m³
53-70-3	dibenz[a,h]anthracene	0.012 mg/m3
53-96-3	N-fluoren-2-ylacetamide	1.2 mg/m³
56-38-2	parathion (ISO)	0.15 mg/m³
56-49-5	3-methylcholanthrene	0.43 mg/m3
56-55-3	benz[a]anthracene	0.6 mg/m³
59-50-7	chlorocresol	5.5 mg/m³
59-89-2	N-nitrosomorpholine	0.85 mg/m³

· **PAC-2:**		
14808-60-7	Quartz (SiO2)	8.3 mg/m3
67-56-1	methanol	2100 ppm
67-64-1	acetone	3200* ppm
95-53-4	o-toluidine	8.2 ppm
67-72-1	hexachloroethane	36 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	33 ppm

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 6)

87-68-3	hexachlorobuta-1,3-diene	3.0 ppm
95-50-1	1,2-dichlorobenzene	170 ppm
98-95-3	nitrobenzene	20 ppm
101-55-3	4-Bromophenyl phenyl ether	4.5 mg/m3
106-46-7	1,4-dichlorobenzene	170 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	5.4 ppm
111-44-4	bis(2-chloroethyl) ether	26 ppm
117-81-7	bis(2-ethylhexyl) phthalate	830 mg/m3
118-74-1	hexachlorobenzene	120 mg/m3
120-82-1	1,2,4-trichlorobenzene	37 mg/m3
121-14-2	2,4-dinitrotoluene	8.8 mg/m3
132-64-9	dibenzofuran	330 mg/m³
541-73-1	1,3-dichlorobenzene	66 ppm
606-20-2	2,6-dinitrotoluene	2.0 mg/m3
621-64-7	nitrosodipropylamine	16 mg/m3
50-32-8	benzo[a]pyrene	120 mg/m³
51-28-5	2,4-dinitrophenol	1.4 mg/m3
53-70-3	dibenz[a,h]anthracene	0.48 mg/m3
53-96-3	N-fluoren-2-ylacetamide	25 ppm
56-38-2	parathion (ISO)	1.5 mg/m3
56-49-5	3-methylcholanthrene	4.8 mg/m3
56-55-3	benz[a]anthracene	1.4 ppm
59-50-7	chlorocresol	60 mg/m³
59-89-2	N-nitrosomorpholine	9.3 mg/m³

· **PAC-3:**

14808-60-7	Quartz (SiO2)	50 mg/m3
67-56-1	methanol	7200 ppm
67-64-1	acetone	5700* ppm
95-53-4	o-toluidine	100 ppm
67-72-1	hexachloroethane	300 ppm
78-59-1	3,5,5-trimethylcyclohex-2-enone	200 ppm
87-68-3	hexachlorobuta-1,3-diene	10 ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
98-95-3	nitrobenzene	200 ppm
101-55-3	4-Bromophenyl phenyl ether	27 mg/m3
106-46-7	1,4-dichlorobenzene	1,000 ppm
108-60-1	bis(2-chloro-1-methylethyl) ether	32 ppm
111-44-4	bis(2-chloroethyl) ether	250 ppm
117-81-7	bis(2-ethylhexyl) phthalate	5000 mg/m3
118-74-1	hexachlorobenzene	690 mg/m3
120-82-1	1,2,4-trichlorobenzene	150 mg/m3
121-14-2	2,4-dinitrotoluene	53 mg/m3
132-64-9	dibenzofuran	2,000 mg/m³

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

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

Trade name: SPEO-007, SQCO-007

(Contd. of page 7)

541-73-1	1,3-dichlorobenzene	400 ppm
606-20-2	2,6-dinitrotoluene	12 mg/m3
621-64-7	nitrosodipropylamine	95 mg/m³
50-32-8	benzo[a]pyrene	700 mg/m³
51-28-5	2,4-dinitrophenol	8.3 mg/m3
53-70-3	dibenz[a,h]anthracene	2.9 mg/m³
53-96-3	N-fluoren-2-ylacetamide	69 ppm
56-38-2	parathion (ISO)	2.0 mg/m3
56-49-5	3-methylcholanthrene	29 mg/m³
56-55-3	benz[a]anthracene	8.5 ppm
59-50-7	chlorocresol	360 mg/m³
59-89-2	N-nitrosomorpholine	56 mg/m³

· **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

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 8)

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: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI
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
50-32-8 benzo[a]pyrene	
PEL	Long-term value: 0.2 mg/m³ see Coal tar pitch volatiles
REL	Long-term value: 0.1 mg/m³ Coal tar pitch volatile; Pocket Guide Apps. A+C
TLV	L; BEIp, A2
62-75-9 dimethylnitrosoamine	
PEL	see 29 CFR 1910.1003
REL	See Pocket Guide App. A
TLV	Skin; L, A3
91-59-8 2-naphthylamine	
PEL	see 29 CFR 1910.1003
REL	See Pocket Guide App. A
TLV	L, A1
92-87-5 benzidine	
PEL	see 29 CFR 1910.1003
REL	See Pocket Guide Apps. A and C
TLV	Skin; L, A1
108-31-6 maleic anhydride	
PEL	Long-term value: 1 mg/m³, 0.25 ppm
REL	Long-term value: 1 mg/m³, 0.25 ppm
TLV	Long-term value: 0.01* mg/m³, 0.0025 ppm DSEN, RSEN;*inh. fraction + vapor, A4

· **Ingredients with biological limit values:**

67-56-1 methanol	
BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 9)

67-64-1 acetone	
BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
50-32-8 benzo[a]pyrene	
BEI	2.5 µg/L Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene (background) 2.5 µg/L Medium: urine Time: end of shift at end of workweek Parameter: Hydroxybenzo (a)pyrene (non-quantitative, with hydrolysis)

· **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

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

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

Trade name: SPEO-007, SQCO-007

(Contd. of page 10)

* 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.
· **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:**	Not determined.
· **Relative density**	Not determined.
· **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:**	1–5.1 %
· **VOC content:**	0.5–2.9 % 29–46.5 g/l / 0.24–0.39 lb/gal
· **Solids content:**	>95–98 %
· **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.

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 11)

· **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:**		
ATE (Acute Toxicity Estimate)		
Inhalative	LC50/4 h	133–600 mg/l

67-56-1 methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
108-31-6 maleic anhydride		
Oral	LD50	400 mg/kg (rat)
Dermal	LD50	2,620 mg/kg (rabbit)

· **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
95-53-4	o-toluidine	1
67-72-1	hexachloroethane	2B
78-59-1	3,5,5-trimethylcyclohex-2-enone	2B
87-68-3	hexachlorobuta-1,3-diene	3
95-50-1	1,2-dichlorobenzene	3
98-95-3	nitrobenzene	2B
106-46-7	1,4-dichlorobenzene	2B
108-60-1	bis(2-chloro-1-methylethyl) ether	3
111-44-4	bis(2-chloroethyl) ether	3
117-81-7	bis(2-ethylhexyl) phthalate	2B
118-74-1	hexachlorobenzene	2B
121-14-2	2,4-dinitrotoluene	2B
541-73-1	1,3-dichlorobenzene	3
606-20-2	2,6-dinitrotoluene	2B
621-64-7	nitrosodipropylamine	2B

(Contd. on page 13)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 12)

50-32-8	benzo[a]pyrene	1
53-70-3	dibenz[a,h]anthracene	2A
55-18-5	diethylnitrosoamine	2A
56-38-2	parathion (ISO)	2B
56-55-3	benz[a]anthracene	2B
58-90-2	2,3,4,6-tetrachlorophenol	2B
59-89-2	N-nitrosomorpholine	2B
60-11-7	4-dimethylaminoazobenzene	2B
62-44-2	phenacetin	1
62-50-0	ethyl methanesulphonate	2B
62-53-3	aniline	2A
62-75-9	dimethylnitrosoamine	2A
66-27-3	methyl methanesulphonate	2A
70-30-4	2,2'-methylenebis-(3,4,6-tri-chlorophenol)	3

· **NTP (National Toxicology Program)**		
14808-60-7	Quartz (SiO2)	K
95-53-4	o-toluidine	K
67-72-1	hexachloroethane	R
98-95-3	nitrobenzene	R
106-46-7	1,4-dichlorobenzene	R
117-81-7	bis(2-ethylhexyl) phthalate	R
118-74-1	hexachlorobenzene	R
621-64-7	nitrosodipropylamine	R
50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
53-96-3	N-fluoren-2-ylacetamide	R
55-18-5	diethylnitrosoamine	R
56-55-3	benz[a]anthracene	R
57-97-6	7,12-dimethylbenz[a]anthracene	R
59-89-2	N-nitrosomorpholine	R
60-11-7	4-dimethylaminoazobenzene	R
62-44-2	phenacetin	R
62-50-0	ethyl methanesulphonate	R
62-75-9	dimethylnitrosoamine	R
66-27-3	methyl methanesulphonate	R
85-01-8	phenanthrene, pure	R
86-73-7	fluorene	R
87-86-5	pentachlorophenol	R
88-06-2	2,4,6-trichlorophenol	R
91-20-3	naphthalene	R
91-59-8	2-naphthylamine	K
91-94-1	3,3'-dichlorobenzidine	R
92-67-1	biphenyl-4-ylamine	K

(Contd. on page 14)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 13)

92-87-5	benzidine	K
94-59-7	safrole	R

· **OSHA-Ca (Occupational Safety & Health Administration)**	
53-96-3	N-fluoren-2-ylacetamide
60-11-7	4-dimethylaminoazobenzene
62-75-9	dimethylnitrosoamine
91-59-8	2-naphthylamine
91-94-1	3,3'-dichlorobenzidine
92-67-1	biphenyl-4-ylamine
92-87-5	benzidine
134-32-7	1-naphthylamine

· **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:** Not applicable.
· **vPvB:** Not applicable.
· **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

(Contd. on page 15)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 14)

· **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):**	
98-95-3	nitrobenzene
111-44-4	bis(2-chloroethyl) ether
56-38-2	parathion (ISO)
60-51-5	dimethoate (ISO)
62-53-3	aniline
62-75-9	dimethylnitrosoamine
77-47-4	hexachlorocyclopentadiene
88-85-7	dinoseb
95-48-7	o-cresol
108-95-2	phenol
129-00-0	pyrene
297-97-2	O,O-diethyl O-pyrazin-2-yl phosphorothioate
298-00-0	parathion -methyl (ISO)
298-02-2	phorate (ISO)
298-04-4	disulfoton
465-73-6	(1alpha,4alpha,4aß,5ß,8ß8aß)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene
3689-24-5	sulfotep (ISO)

· **Section 313 (Specific toxic chemical listings):**	
67-56-1	methanol
95-53-4	o-toluidine
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
95-50-1	1,2-dichlorobenzene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene

(Contd. on page 16)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 15)

108-60-1	bis(2-chloro-1-methylethyl) ether
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
132-64-9	dibenzofuran
541-73-1	1,3-dichlorobenzene
606-20-2	2,6-dinitrotoluene
621-64-7	nitrosodipropylamine
50-32-8	benzo[a]pyrene
51-28-5	2,4-dinitrophenol
52-85-7	famphur
53-70-3	dibenz[a,h]anthracene
53-96-3	N-fluoren-2-ylacetamide
55-18-5	diethylnitrosoamine
56-38-2	parathion (ISO)
56-49-5	3-methylcholanthrene
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
58-90-2	2,3,4,6-tetrachlorophenol
59-89-2	N-nitrosomorpholine
60-11-7	4-dimethylaminoazobenzene

· **TSCA (Toxic Substances Control Act):**		
14808-60-7	Quartz (SiO2)	ACTIVE
67-56-1	methanol	ACTIVE
67-64-1	acetone	ACTIVE
95-53-4	o-toluidine	ACTIVE
67-72-1	hexachloroethane	ACTIVE
78-59-1	3,5,5-trimethylcyclohex-2-enone	ACTIVE
87-68-3	hexachlorobuta-1,3-diene	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
98-95-3	nitrobenzene	ACTIVE
101-55-3	4-Bromophenyl phenyl ether	ACTIVE
106-46-7	1,4-dichlorobenzene	ACTIVE
108-60-1	bis(2-chloro-1-methylethyl) ether	ACTIVE
111-44-4	bis(2-chloroethyl) ether	ACTIVE
117-81-7	bis(2-ethylhexyl) phthalate	ACTIVE
118-74-1	hexachlorobenzene	ACTIVE
120-82-1	1,2,4-trichlorobenzene	ACTIVE
121-14-2	2,4-dinitrotoluene	ACTIVE
132-64-9	dibenzofuran	ACTIVE
541-73-1	1,3-dichlorobenzene	ACTIVE

(Contd. on page 17)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 16)

606-20-2	2,6-dinitrotoluene	ACTIVE
621-64-7	nitrosodipropylamine	ACTIVE
50-32-8	benzo[a]pyrene	ACTIVE
51-28-5	2,4-dinitrophenol	ACTIVE
52-85-7	famphur	ACTIVE
53-70-3	dibenz[a,h]anthracene	ACTIVE
53-96-3	N-fluoren-2-ylacetamide	ACTIVE
55-18-5	diethylnitrosoamine	ACTIVE
56-49-5	3-methylcholanthrene	ACTIVE
56-55-3	benz[a]anthracene	ACTIVE
57-97-6	7,12-dimethylbenz[a]anthracene	ACTIVE

· **Hazardous Air Pollutants**	
67-56-1	methanol
95-53-4	o-toluidine
67-72-1	hexachloroethane
78-59-1	3,5,5-trimethylcyclohex-2-enone
87-68-3	hexachlorobuta-1,3-diene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-82-1	1,2,4-trichlorobenzene
121-14-2	2,4-dinitrotoluene
132-64-9	dibenzofuran
50-32-8	benzo[a]pyrene
51-28-5	2,4-dinitrophenol
53-70-3	dibenz[a,h]anthracene
53-96-3	N-fluoren-2-ylacetamide
56-38-2	parathion (ISO)
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
59-89-2	N-nitrosomorpholine
60-11-7	4-dimethylaminoazobenzene
62-53-3	aniline
62-75-9	dimethylnitrosoamine
77-47-4	hexachlorocyclopentadiene
82-68-8	quintozene (ISO)
84-74-2	dibutyl phthalate
85-01-8	phenanthrene, pure
86-73-7	fluorene
87-86-5	pentachlorophenol

(Contd. on page 18)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 17)

· **Proposition 65**

· **Chemicals known to cause cancer:**	
14808-60-7	Quartz (SiO2)
95-53-4	o-toluidine
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
108-60-1	bis(2-chloro-1-methylethyl) ether
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
121-14-2	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene
621-64-7	nitrosodipropylamine
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
53-96-3	N-fluoren-2-ylacetamide
55-18-5	diethylnitrosoamine
56-38-2	parathion (ISO)
56-49-5	3-methylcholanthrene
56-55-3	benz[a]anthracene
57-97-6	7,12-dimethylbenz[a]anthracene
59-89-2	N-nitrosomorpholine
60-11-7	4-dimethylaminoazobenzene
62-44-2	phenacetin
62-50-0	ethyl methanesulphonate
62-53-3	aniline
62-75-9	dimethylnitrosoamine
66-27-3	methyl methanesulphonate
86-30-6	nitrosodiphenylamine
86-74-8	carbazole

· **Chemicals known to cause reproductive toxicity for females:**	
84-74-2	dibutyl phthalate
1912-24-9	atrazine (ISO)

· **Chemicals known to cause reproductive toxicity for males:**	
98-95-3	nitrobenzene
117-81-7	bis(2-ethylhexyl) phthalate
121-14-2	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene
84-74-2	dibutyl phthalate
88-85-7	dinoseb
99-65-0	1,3-dinitrobenzene

(Contd. on page 19)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 18)

100-25-4	1,4-dinitrobenzene
528-29-0	1,2-dinitrobenzene

· **Chemicals known to cause developmental toxicity:**	
67-56-1	methanol
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
84-74-2	dibutyl phthalate
85-68-7	BBP
88-85-7	dinoseb
143-50-0	chlordecone (ISO)
1912-24-9	atrazine (ISO)

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**		
67-64-1	acetone	I
67-72-1	hexachloroethane	L
78-59-1	3,5,5-trimethylcyclohex-2-enone	C
87-68-3	hexachlorobuta-1,3-diene	C
95-50-1	1,2-dichlorobenzene	D
98-95-3	nitrobenzene	L
101-55-3	4-Bromophenyl phenyl ether	D
111-44-4	bis(2-chloroethyl) ether	B2
117-81-7	bis(2-ethylhexyl) phthalate	B2
118-74-1	hexachlorobenzene	B2
120-82-1	1,2,4-trichlorobenzene	D
132-64-9	dibenzofuran	D
541-73-1	1,3-dichlorobenzene	D
621-64-7	nitrosodipropylamine	B2
50-32-8	benzo[a]pyrene	CaH
53-70-3	dibenz[a,h]anthracene	B2
55-18-5	diethylnitrosoamine	B2
56-38-2	parathion (ISO)	C
56-55-3	benz[a]anthracene	B2
62-53-3	aniline	B2
62-75-9	dimethylnitrosoamine	B2
65-85-0	Benzoic acid	D
77-47-4	hexachlorocyclopentadiene	E, NL
84-66-2	diethyl phthalate	D
84-74-2	dibutyl phthalate	D
85-01-8	phenanthrene, pure	D
85-68-7	BBP	C
86-30-6	nitrosodiphenylamine	B2
86-73-7	fluorene	D

(Contd. on page 20)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 19)

87-86-5	pentachlorophenol	L

· **TLV (Threshold Limit Value)**		
14808-60-7	Quartz (SiO2)	A2
67-64-1	acetone	A4
95-53-4	o-toluidine	A3
67-72-1	hexachloroethane	A3
78-59-1	3,5,5-trimethylcyclohex-2-enone	A3
87-68-3	hexachlorobuta-1,3-diene	A3
95-50-1	1,2-dichlorobenzene	A4
98-95-3	nitrobenzene	A3
106-46-7	1,4-dichlorobenzene	A3
111-44-4	bis(2-chloroethyl) ether	A4
117-81-7	bis(2-ethylhexyl) phthalate	A3
118-74-1	hexachlorobenzene	A3
50-32-8	benzo[a]pyrene	A2
56-38-2	parathion (ISO)	A4
56-55-3	benz[a]anthracene	A2
62-53-3	aniline	A3
62-75-9	dimethylnitrosoamine	A3
77-47-4	hexachlorocyclopentadiene	A4
82-68-8	quintozene (ISO)	A4
84-66-2	diethyl phthalate	A4
87-86-5	pentachlorophenol	A3
90-12-0	1-methylnaphthalene	A4
91-20-3	naphthalene	A4
91-57-6	2-methylnaphthalene	A4
91-59-8	2-naphthylamine	A1
91-94-1	3,3'-dichlorobenzidine	A3
92-67-1	biphenyl-4-ylamine	A1
92-87-5	benzidine	A1
99-55-8	5-nitro-o-toluidine	A3
100-01-6	p-nitroaniline	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**	
14808-60-7	Quartz (SiO2)
95-53-4	o-toluidine
67-72-1	hexachloroethane
87-68-3	hexachlorobuta-1,3-diene
106-46-7	1,4-dichlorobenzene
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
50-32-8	benzo[a]pyrene
53-96-3	N-fluoren-2-ylacetamide
60-11-7	4-dimethylaminoazobenzene

(Contd. on page 21)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 20)

62-53-3	aniline
62-75-9	dimethylnitrosoamine
91-59-8	2-naphthylamine
91-94-1	3,3'-dichlorobenzidine
92-67-1	biphenyl-4-ylamine
92-87-5	benzidine
119-93-7	4,4'-bi-o-toluidine
123-91-1	1,4-dioxane
134-32-7	1-naphthylamine
143-50-0	chlordecone (ISO)
218-01-9	chrysene

· **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)
maleic anhydride
nitrosodipropylamine
dimethylnitrosoamine
· **Hazard statements**
May cause an allergic skin reaction.
Suspected of causing genetic defects.
May cause cancer.
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.

(Contd. on page 22)

Safety Data Sheet
acc. to OSHA HCS

(Contd. of page 21)

· **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** 04/23/2024
· **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
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.**