

Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

1 Identification

- **Product identifier**
- **Trade name:** *WL-397*
- **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**



GHS02 Flame

Flammable solids 1

H228 Flammable solid.



GHS08 Health hazard

Carcinogenicity 1A

H350 May cause cancer.

Specific target organ toxicity (single exposure) 1 H370 Causes damage to the central nervous system and the visual organs.



GHS07

Acute toxicity - inhalation 4

H332 Harmful if inhaled.

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



GHS02



GHS07



GHS08

- **Signal word** *Danger*

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 1)

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

methanol
dimethylnitrosoamine
nitrosodipropylamine
benzo[a]pyrene

· **Hazard statements**

Flammable solid.
Harmful if inhaled.
May cause cancer.
Causes damage to the central nervous system and the visual organs.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground / bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
In case of fire: Use CO₂, powder or water spray to extinguish.
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)**



· **HMIS-ratings (scale 0 - 4)**



· **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.

— US —

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 2)

* 3 Composition/information on ingredients

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

67-56-1	methanol	80–100%
50-32-8	benzo[a]pyrene	≥0.01–<0.1%
53-70-3	dibenz[a,h]anthracene	≥0.01–≤0.1%
62-75-9	dimethylnitrosoamine	≥0.001–≤0.1%
92-87-5	benzidine	≥0.01–≤0.1%
621-64-7	nitrosodipropylamine	≥0.001–≤0.1%

· **Non-hazardous components**

51-28-5	2,4-dinitrophenol	≤0.1%
56-55-3	benz[a]anthracene	<0.1%
59-50-7	chlorocresol	<0.1%
67-72-1	hexachloroethane	<0.1%
77-47-4	hexachlorocyclopentadiene	≤0.1%
78-59-1	3,5,5-trimethylcyclohex-2-enone	<0.1%
83-32-9	acenaphthene	≤0.1%
84-66-2	diethyl phthalate	<0.1%
84-74-2	dibutyl phthalate	<0.1%
85-01-8	phenanthrene, pure	<0.1%
85-68-7	BBP	<0.1%
86-30-6	nitrosodiphenylamine	≤0.1%
86-73-7	fluorene	<0.1%
86-74-8	carbazole	<0.1%
87-68-3	hexachlorobuta-1,3-diene	<0.1%
87-86-5	pentachlorophenol	<0.1%
88-06-2	2,4,6-trichlorophenol	<0.1%
88-75-5	2-nitrophenol	≤0.1%
91-20-3	naphthalene	<0.1%
91-58-7	2-chloronaphthalene	≤0.1%
91-94-1	3,3'-dichlorobenzidine	<0.1%
95-50-1	1,2-dichlorobenzene	≤0.1%
95-57-8	2-chlorophenol	<0.1%
98-55-5	alpha-Terpineol	≤0.1%
98-86-2	acetophenone	≤0.1%
98-95-3	nitrobenzene	<0.1%
100-02-7	4-nitrophenol	≤0.1%
101-55-3	4-Bromophenyl phenyl ether	<0.1%
105-67-9	2,4-xyleneol	≤0.1%
106-46-7	1,4-dichlorobenzene	<0.1%
108-60-1	bis(2-chloro-1-methylethyl) ether	≤0.1%

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 3)

108-95-2	phenol	≤0.1%
110-86-1	pyridine	<0.1%
111-44-4	bis(2-chloroethyl) ether	<0.1%
111-91-1	bis(2-chloroethoxy)methane	≤0.1%
117-81-7	bis(2-ethylhexyl) phthalate	<0.1%
117-84-0	dioctyl phthalate	<0.1%
118-74-1	hexachlorobenzene	<0.1%
120-12-7	anthracene	<0.1%
120-82-1	1,2,4-trichlorobenzene	≤0.1%
120-83-2	2,4-dichlorophenol	<0.1%
121-14-2	2,4-dinitrotoluene	<0.1%
124-18-5	decane	≤0.1%
129-00-0	pyrene	<0.1%
131-11-3	dimethyl phthalate	≤0.1%
191-24-2	benzo[ghi]perylene	≤0.1%
193-39-5	indeno[1,2,3-cd]pyrene	<0.1%
205-99-2	benz[e]acephenanthrylene	<0.1%
206-44-0	fluoranthene	<0.1%
207-08-9	benzo[k]fluoranthene	<0.1%
208-96-8	acenaphthylene	≤0.1%
218-01-9	chrysene	<0.1%
534-52-1	DNOC	<0.1%
541-73-1	1,3-dichlorobenzene	≤0.1%
593-45-3	octadecane	≤0.1%
606-20-2	2,6-dinitrotoluene	<0.1%
608-27-5	2,3-dichloroaniline	≤0.1%
7005-72-3	4-Chlorophenyl phenyl ether	≤0.1%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Generally the product does not irritate the skin.

- **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.

— US —

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 4)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
67-56-1	methanol	530 ppm
50-32-8	benzo[a]pyrene	0.0056 mg/m ³
51-28-5	2,4-dinitrophenol	0.61 mg/m ³
53-70-3	dibenz[a,h]anthracene	0.012 mg/m ³
56-55-3	benz[a]anthracene	0.6 mg/m ³
59-50-7	chlorocresol	5.5 mg/m ³
62-75-9	dimethylnitrosoamine	0.082 mg/m ³
67-72-1	hexachloroethane	3 ppm
77-47-4	hexachlorocyclopentadiene	0.33 mg/m ³
78-59-1	3,5,5-trimethylcyclohex-2-enone	12 ppm
83-32-9	acenaphthene	3.6 mg/m ³
84-66-2	diethyl phthalate	15 mg/m ³
84-74-2	dibutyl phthalate	15 mg/m ³
85-01-8	phenanthrene, pure	5.4 mg/m ³
85-68-7	BBP	15 mg/m ³
86-30-6	nitrosodiphenylamine	5.5 mg/m ³
86-73-7	fluorene	6.6 mg/m ³
86-74-8	carbazole	0.66 mg/m ³
87-68-3	hexachlorobuta-1,3-diene	1.0 ppm
87-86-5	pentachlorophenol	1 mg/m ³
88-06-2	2,4,6-trichlorophenol	2.5 mg/m ³
88-75-5	2-nitrophenol	2.1 mg/m ³
91-20-3	naphthalene	15 ppm
91-58-7	2-chloronaphthalene	6.2 mg/m ³
91-94-1	3,3'-dichlorobenzidine	2.1 ppm

(Contd. on page 6)

— US —

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 5)

92-87-5	benzidine	0.024 mg/m ³
95-50-1	1,2-dichlorobenzene	50 ppm
95-57-8	2-chlorophenol	2.3 mg/m ³
98-86-2	acetophenone	30 ppm
98-95-3	nitrobenzene	3 ppm

PAC-2:

67-56-1	methanol	2100 ppm
50-32-8	benzo[a]pyrene	120 mg/m ³
51-28-5	2,4-dinitrophenol	1.4 mg/m ³
53-70-3	dibenz[a,h]anthracene	0.48 mg/m ³
56-55-3	benz[a]anthracene	1.4 ppm
59-50-7	chlorocresol	60 mg/m ³
62-75-9	dimethylnitrosoamine	0.57 ppm
67-72-1	hexachloroethane	36 ppm
77-47-4	hexachlorocyclopentadiene	1.9 mg/m ³
78-59-1	3,5,5-trimethylcyclohex-2-enone	33 ppm
83-32-9	acenaphthene	40 mg/m ³
84-66-2	diethyl phthalate	31 ppm
84-74-2	dibutyl phthalate	670 mg/m ³
85-01-8	phenanthrene, pure	1.8 ppm
85-68-7	BBP	77 mg/m ³
86-30-6	nitrosodiphenylamine	60 mg/m ³
86-73-7	fluorene	72 mg/m ³
86-74-8	carbazole	7.2 mg/m ³
87-68-3	hexachlorobuta-1,3-diene	3.0 ppm
87-86-5	pentachlorophenol	15 mg/m ³
88-06-2	2,4,6-trichlorophenol	27 mg/m ³
88-75-5	2-nitrophenol	11 mg/m ³
91-20-3	naphthalene	83 ppm
91-58-7	2-chloronaphthalene	69 mg/m ³
91-94-1	3,3'-dichlorobenzidine	130 mg/m ³
92-87-5	benzidine	10 mg/m ³
95-50-1	1,2-dichlorobenzene	170 ppm
95-57-8	2-chlorophenol	25 mg/m ³
98-86-2	acetophenone	330 ppm
98-95-3	nitrobenzene	20 ppm

PAC-3:

67-56-1	methanol	7200 ppm
50-32-8	benzo[a]pyrene	700 mg/m ³
51-28-5	2,4-dinitrophenol	8.3 mg/m ³
53-70-3	dibenz[a,h]anthracene	2.9 mg/m ³
56-55-3	benz[a]anthracene	8.5 ppm
59-50-7	chlorocresol	360 mg/m ³

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 6)

62-75-9	dimethylnitrosoamine	3.4 ppm
67-72-1	hexachloroethane	300 ppm
77-47-4	hexachlorocyclopentadiene	11 mg/m ³
78-59-1	3,5,5-trimethylcyclohex-2-enone	200 ppm
83-32-9	acenaphthene	240 mg/m ³
84-66-2	diethyl phthalate	190 ppm
84-74-2	dibutyl phthalate	4000 mg/m ³
85-01-8	phenanthrene, pure	10 ppm
85-68-7	BBP	460 mg/m ³
86-30-6	nitrosodiphenylamine	360 mg/m ³
86-73-7	fluorene	430 mg/m ³
86-74-8	carbazole	43 mg/m ³
87-68-3	hexachlorobuta-1,3-diene	10 ppm
87-86-5	pentachlorophenol	150 mg/m ³
88-06-2	2,4,6-trichlorophenol	160 mg/m ³
88-75-5	2-nitrophenol	66 mg/m ³
91-20-3	naphthalene	500 ppm
91-58-7	2-chloronaphthalene	410 mg/m ³
91-94-1	3,3'-dichlorobenzidine	760 mg/m ³
92-87-5	benzidine	61 mg/m ³
95-50-1	1,2-dichlorobenzene	1,000 ppm
95-57-8	2-chlorophenol	150 mg/m ³
98-86-2	acetophenone	2000* ppm
98-95-3	nitrobenzene	200 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**

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· **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:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 7)

· **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.

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

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

92-87-5 benzidine

PEL see 29 CFR 1910.1003

REL See Pocket Guide Apps. A and C

TLV Skin; L, A1

· **Ingredients with biological limit values:**

67-56-1 methanol

BEI 15 mg/L

Medium: urine

Time: end of shift

Parameter: Methanol (background, 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)

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 8)

- **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.
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:**
Safety glasses



Tightly sealed goggles

- **Body protection:** Protective work clothing

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Color:** Colorless
- **Odor:** Alcohol-like
- **Odor threshold:** Not determined.
- **Melting point/Melting range:** -98 °C (-144.4 °F)
- **Boiling point/Boiling range:** 64.7 °C (148.5 °F)
- **Flammability:** Not determined.
- **Explosion limits:**
- **Lower:** 5.5 Vol %
- **Upper:** 44 Vol %
- **Flash point:** 11 °C (51.8 °F)
- **Auto igniting:** 455 °C (851 °F)
- **Decomposition temperature:** Not determined.

(Contd. on page 10)

US

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 9)

· pH-value:	Not applicable.
· Viscosity:	
· Kinematic:	Not applicable.
· Dynamic:	Not applicable.
· Solubility in / Miscibility with	
· Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 20 °C (68 °F):	128 hPa (96 mm Hg)
· Vapor pressure:	
· Density at 20 °C (68 °F):	0.79 g/cm ³ (6.59255 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not applicable.
· Particle characteristics	Not determined.
· Other information	
· Appearance:	
· Form:	Solid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Solvent content:	
· Organic solvents:	99.4 %
· VOC content:	99.44 %
· Change in condition	
· Evaporation rate	Not applicable.

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:		
ATE (Acute Toxicity Estimate)		
Inhalative	LC50/4 h	3.02 mg/l
67-56-1 methanol		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 10)

- **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:
Harmful
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
50-32-8	benzo[a]pyrene	1
53-70-3	dibenz[a,h]anthracene	2A
56-55-3	benz[a]anthracene	2B
62-75-9	dimethylnitrosoamine	2A
67-72-1	hexachloroethane	2B
78-59-1	3,5,5-trimethylcyclohex-2-enone	2B
83-32-9	acenaphthene	3
85-01-8	phenanthrene, pure	3
85-68-7	BBP	3
86-30-6	nitrosodiphenylamine	3
86-73-7	fluorene	3
86-74-8	carbazole	2B
87-68-3	hexachlorobuta-1,3-diene	3
87-86-5	pentachlorophenol	1
88-06-2	2,4,6-trichlorophenol	2B
91-20-3	naphthalene	2B
91-94-1	3,3'-dichlorobenzidine	2B
92-87-5	benzidine	1
95-50-1	1,2-dichlorobenzene	3
95-57-8	2-chlorophenol	2B
98-95-3	nitrobenzene	2B
106-46-7	1,4-dichlorobenzene	2B
108-60-1	bis(2-chloro-1-methylethyl) ether	3
108-95-2	phenol	3
110-86-1	pyridine	2B
111-44-4	bis(2-chloroethyl) ether	3
117-81-7	bis(2-ethylhexyl) phthalate	2B
118-74-1	hexachlorobenzene	2B
120-12-7	anthracene	2B
120-83-2	2,4-dichlorophenol	2B
· NTP (National Toxicology Program)		
50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
56-55-3	benz[a]anthracene	R
62-75-9	dimethylnitrosoamine	R
67-72-1	hexachloroethane	R

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 11)

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
91-94-1	3,3'-dichlorobenzidine	R
92-87-5	benzidine	K
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
120-12-7	anthracene	R
129-00-0	pyrene	R
193-39-5	indeno[1,2,3-cd]pyrene	R
205-99-2	benz[e]acephenanthrylene	R
206-44-0	fluoranthene	R
207-08-9	benzo[k]fluoranthene	R
218-01-9	chrysene	R
621-64-7	nitrosodipropylamine	R

· OSHA-Ca (Occupational Safety & Health Administration)

62-75-9	dimethylnitrosoamine
91-94-1	3,3'-dichlorobenzidine
92-87-5	benzidine

· **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.

— US —

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 12)

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	UN1325
· DOT, IMDG, IATA	
· UN proper shipping name	Flammable solids, organic, n.o.s. (Methanol)
· DOT	FLAMMABLE SOLID, ORGANIC, N.O.S. (METHANOL)
· IMDG	Flammable solid, organic, n.o.s. (METHANOL)
· IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1
· IMDG, IATA	
	
· Class	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
· Label	4.1
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 15 kg On cargo aircraft only: 50 kg

(Contd. on page 14)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 13)

· IMDG	
· Limited quantities (LQ)	1 kg
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 500 g
· Special precautions for user	Warning: Flammable solids, self-reactive substances and solid desensitised explosives
· Hazard identification number (Kemler code):	40
· EMS Number:	F-A,S-G
· Stowage Category	B
· Segregation Code	SG72 See 7.2.6.3.2.
· UN "Model Regulation":	UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (METHANOL), 4.1, II

*15 Regulatory information

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

· Section 355 (extremely hazardous substances):	
62-75-9	dimethylnitrosoamine
77-47-4	hexachlorocyclopentadiene
98-95-3	nitrobenzene
108-95-2	phenol
111-44-4	bis(2-chloroethyl) ether
129-00-0	pyrene
534-52-1	DNOC
· Section 313 (Specific toxic chemical listings):	
67-56-1	methanol
50-32-8	benzo[a]pyrene
51-28-5	2,4-dinitrophenol
53-70-3	dibenz[a,h]anthracene
56-55-3	benz[a]anthracene
62-75-9	dimethylnitrosoamine
67-72-1	hexachloroethane
77-47-4	hexachlorocyclopentadiene
84-74-2	dibutyl phthalate
85-01-8	phenanthrene, pure
86-30-6	nitrosodiphenylamine
87-68-3	hexachlorobuta-1,3-diene
87-86-5	pentachlorophenol
88-06-2	2,4,6-trichlorophenol
88-75-5	2-nitrophenol
91-20-3	naphthalene
91-94-1	3,3'-dichlorobenzidine

(Contd. on page 15)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 14)

92-87-5	benzidine
95-50-1	1,2-dichlorobenzene
95-57-8	2-chlorophenol
98-86-2	acetophenone
98-95-3	nitrobenzene
100-02-7	4-nitrophenol
105-67-9	2,4-xyleneol
106-46-7	1,4-dichlorobenzene
108-60-1	bis(2-chloro-1-methylethyl) ether
108-95-2	phenol
110-86-1	pyridine
111-44-4	bis(2-chloroethyl) ether
111-91-1	bis(2-chloroethoxy)methane

TSCA (Toxic Substances Control Act):

67-56-1	methanol	ACTIVE
50-32-8	benzo[a]pyrene	ACTIVE
51-28-5	2,4-dinitrophenol	ACTIVE
53-70-3	dibenz[a,h]anthracene	ACTIVE
56-55-3	benz[a]anthracene	ACTIVE
59-50-7	chlorocresol	ACTIVE
62-75-9	dimethylnitrosoamine	ACTIVE
67-72-1	hexachloroethane	ACTIVE
77-47-4	hexachlorocyclopentadiene	ACTIVE
78-59-1	3,5,5-trimethylcyclohex-2-enone	ACTIVE
83-32-9	acenaphthene	ACTIVE
84-66-2	diethyl phthalate	ACTIVE
84-74-2	dibutyl phthalate	ACTIVE
85-01-8	phenanthrene, pure	ACTIVE
85-68-7	BBP	ACTIVE
86-30-6	nitrosodiphenylamine	ACTIVE
86-73-7	fluorene	ACTIVE
86-74-8	carbazole	ACTIVE
87-68-3	hexachlorobuta-1,3-diene	ACTIVE
87-86-5	pentachlorophenol	ACTIVE
88-06-2	2,4,6-trichlorophenol	ACTIVE
88-75-5	2-nitrophenol	ACTIVE
91-20-3	naphthalene	ACTIVE
91-58-7	2-chloronaphthalene	ACTIVE
91-94-1	3,3'-dichlorobenzidine	ACTIVE
92-87-5	benzidine	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
95-57-8	2-chlorophenol	ACTIVE
98-55-5	alpha-Terpineol	ACTIVE

(Contd. on page 16)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 15)

98-86-2	acetophenone	ACTIVE
---------	--------------	--------

· Hazardous Air Pollutants		
67-56-1	methanol	
50-32-8	benzo[a]pyrene	
51-28-5	2,4-dinitrophenol	
53-70-3	dibenz[a,h]anthracene	
56-55-3	benz[a]anthracene	
62-75-9	dimethylnitrosoamine	
67-72-1	hexachloroethane	
77-47-4	hexachlorocyclopentadiene	
78-59-1	3,5,5-trimethylcyclohex-2-enone	
84-74-2	dibutyl phthalate	
85-01-8	phenanthrene, pure	
86-73-7	fluorene	
87-68-3	hexachlorobuta-1,3-diene	
87-86-5	pentachlorophenol	
88-06-2	2,4,6-trichlorophenol	
91-20-3	naphthalene	
91-94-1	3,3'-dichlorobenzidine	
92-87-5	benzidine	
98-86-2	acetophenone	
98-95-3	nitrobenzene	
100-02-7	4-nitrophenol	
106-46-7	1,4-dichlorobenzene	
108-95-2	phenol	
111-44-4	bis(2-chloroethyl) ether	
117-81-7	bis(2-ethylhexyl) phthalate	
118-74-1	hexachlorobenzene	
120-12-7	anthracene	
120-82-1	1,2,4-trichlorobenzene	
121-14-2	2,4-dinitrotoluene	
129-00-0	pyrene	

· Proposition 65

· Chemicals known to cause cancer:		
50-32-8	benzo[a]pyrene	
53-70-3	dibenz[a,h]anthracene	
56-55-3	benz[a]anthracene	
62-75-9	dimethylnitrosoamine	
67-72-1	hexachloroethane	
86-30-6	nitrosodiphenylamine	
86-74-8	carbazole	
87-68-3	hexachlorobuta-1,3-diene	
87-86-5	pentachlorophenol	

(Contd. on page 17)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 16)

88-06-2	2,4,6-trichlorophenol
91-20-3	naphthalene
91-94-1	3,3'-dichlorobenzidine
92-87-5	benzidine
98-95-3	nitrobenzene
106-46-7	1,4-dichlorobenzene
108-60-1	bis(2-chloro-1-methylethyl) ether
110-86-1	pyridine
111-44-4	bis(2-chloroethyl) ether
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene
120-12-7	anthracene
121-14-2	2,4-dinitrotoluene
193-39-5	indeno[1,2,3-cd]pyrene
205-99-2	benz[e]acephenanthrylene
207-08-9	benzo[k]fluoranthene
218-01-9	chrysene
606-20-2	2,6-dinitrotoluene
621-64-7	nitrosodipropylamine

· **Chemicals known to cause reproductive toxicity for females:**

84-74-2	dibutyl phthalate
---------	-------------------

· **Chemicals known to cause reproductive toxicity for males:**

84-74-2	dibutyl phthalate
98-95-3	nitrobenzene
117-81-7	bis(2-ethylhexyl) phthalate
121-14-2	2,4-dinitrotoluene
606-20-2	2,6-dinitrotoluene

· **Chemicals known to cause developmental toxicity:**

67-56-1	methanol
84-74-2	dibutyl phthalate
85-68-7	BBP
117-81-7	bis(2-ethylhexyl) phthalate
118-74-1	hexachlorobenzene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

50-32-8	benzo[a]pyrene	CaH
53-70-3	dibenz[a,h]anthracene	B2
56-55-3	benz[a]anthracene	B2
62-75-9	dimethylnitrosoamine	B2
67-72-1	hexachloroethane	L
77-47-4	hexachlorocyclopentadiene	E, NL
78-59-1	3,5,5-trimethylcyclohex-2-enone	C

(Contd. on page 18)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 17)

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
87-68-3	hexachlorobuta-1,3-diene	C
87-86-5	pentachlorophenol	L
88-06-2	2,4,6-trichlorophenol	B2
91-20-3	naphthalene	C, CBD
91-94-1	3,3'-dichlorobenzidine	B2
92-87-5	benzidine	A
95-50-1	1,2-dichlorobenzene	D
98-86-2	acetophenone	D
98-95-3	nitrobenzene	L
101-55-3	4-Bromophenyl phenyl ether	D
108-95-2	phenol	D, I
111-44-4	bis(2-chloroethyl) ether	B2
111-91-1	bis(2-chloroethoxy)methane	D
117-81-7	bis(2-ethylhexyl) phthalate	B2
118-74-1	hexachlorobenzene	B2
120-12-7	anthracene	D
120-82-1	1,2,4-trichlorobenzene	D

TLV (Threshold Limit Value)

50-32-8	benzo[a]pyrene	A2
56-55-3	benz[a]anthracene	A2
62-75-9	dimethylnitrosoamine	A3
67-72-1	hexachloroethane	A3
77-47-4	hexachlorocyclopentadiene	A4
78-59-1	3,5,5-trimethylcyclohex-2-enone	A3
84-66-2	diethyl phthalate	A4
87-68-3	hexachlorobuta-1,3-diene	A3
87-86-5	pentachlorophenol	A3
91-20-3	naphthalene	A4
91-94-1	3,3'-dichlorobenzidine	A3
92-87-5	benzidine	A1
95-50-1	1,2-dichlorobenzene	A4
98-95-3	nitrobenzene	A3
106-46-7	1,4-dichlorobenzene	A3
108-95-2	phenol	A4
110-86-1	pyridine	A3
111-44-4	bis(2-chloroethyl) ether	A4
117-81-7	bis(2-ethylhexyl) phthalate	A3

(Contd. on page 19)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 18)

118-74-1	hexachlorobenzene	A3
205-99-2	benz[e]acephenanthrylene	A2
218-01-9	chrysene	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
50-32-8	benzo[a]pyrene	
62-75-9	dimethylnitrosoamine	
67-72-1	hexachloroethane	
87-68-3	hexachlorobuta-1,3-diene	
91-94-1	3,3'-dichlorobenzidine	
92-87-5	benzidine	
106-46-7	1,4-dichlorobenzene	
111-44-4	bis(2-chloroethyl) ether	
117-81-7	bis(2-ethylhexyl) phthalate	
218-01-9	chrysene	

· **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:**

methanol
dimethylnitrosoamine
nitrosodipropylamine
benzo[a]pyrene

· **Hazard statements**

Flammable solid.
Harmful if inhaled.
May cause cancer.
Causes damage to the central nervous system and the visual organs.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground / bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
In case of fire: Use CO₂, powder or water spray to extinguish.
Store locked up.

(Contd. on page 20)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: WL-397

(Contd. of page 19)

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:** - Department Technical Manager

· **Date of previous version** 03/08/2024

· **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

Flammable solids 1: Flammable solids – Category 1

Acute toxicity - inhalation 4: Acute toxicity – Category 4

Carcinogenicity 1A: Carcinogenicity – Category 1A

Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1

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