Safety Data Sheet
acc. to OSHA HCS

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

* 1 Identification

· **Product identifier**

· **Trade name: C-904**
· **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

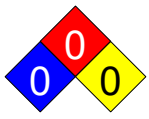
Australian Supplier:
Choice Analytical
PO Box 28 Thornleigh NSW 2120 Australia
Telephone: +61-2-9980-6240
Fax: +61-2-9980-6344
choiceanalytical.com.au
Email: info@choiceanalytical.com.au

· **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**
The product is not classified, according to the Globally Harmonized System (GHS).

· **Label elements**
· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **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.

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· **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.

· **Dangerous components:** Void

· **Non-hazardous components**		
8016-24-8	Hemp Oil	80–100%
1330-20-7	xylene	≤0.1%
60-29-7	diethyl ether	≤0.1%
64-17-5	ethanol	<0.1%
67-56-1	methanol	≤0.1%
67-63-0	propan-2-ol	≤0.1%
67-64-1	acetone	≤0.1%
67-66-3	trichloromethane	<0.1%
71-43-2	benzene	<0.1%
75-05-8	acetonitrile	≤0.1%
75-09-2	dichloromethane	<0.1%
75-35-4	1,1-dichloroethylene	<0.1%
79-01-6	trichloroethylene	<0.1%
95-47-6	o-xylene	≤0.1%
106-42-3	p-xylene	≤0.1%
107-06-2	1,2-dichloroethane	<0.1%
108-38-3	m-xylene	≤0.1%
108-88-3	toluene	<0.1%
109-66-0	pentane	≤0.1%
110-54-3	n-hexane	<0.1%
141-78-6	ethyl acetate	≤0.1%
142-82-5	heptane	≤0.1%

4 First-aid measures

· **Description of first aid measures**
· **General information:** No special measures required.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **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.

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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** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

* 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required.
· **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).
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
1330-20-7	xylene	130 ppm
60-29-7	diethyl ether	500 ppm
64-17-5	ethanol	1,800 ppm
67-56-1	methanol	530 ppm
67-63-0	propan-2-ol	400 ppm
67-64-1	acetone	200 ppm
67-66-3	trichloromethane	2.0 ppm
71-43-2	benzene	52 ppm
75-05-8	acetonitrile	13 ppm
75-09-2	dichloromethane	200 ppm
75-35-4	1,1-dichloroethylene	45 ppm
79-01-6	trichloroethylene	130 ppm
107-06-2	1,2-dichloroethane	50 ppm
108-38-3	m-xylene	130 ppm
108-88-3	toluene	67 ppm
109-66-0	pentane	3000* ppm
110-54-3	n-hexane	400 ppm
141-78-6	ethyl acetate	1,200 ppm
142-82-5	heptane	500 ppm

· **PAC-2:**		
1330-20-7	xylene	920* ppm
60-29-7	diethyl ether	3200* ppm
64-17-5	ethanol	3300* ppm
67-56-1	methanol	2100 ppm
67-63-0	propan-2-ol	2000* ppm
67-64-1	acetone	3200* ppm
67-66-3	trichloromethane	64 ppm

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71-43-2	benzene	800 ppm
75-05-8	acetonitrile	50 ppm
75-09-2	dichloromethane	560 ppm
75-35-4	1,1-dichloroethylene	500 ppm
79-01-6	trichloroethylene	450 ppm
107-06-2	1,2-dichloroethane	200 ppm
108-38-3	m-xylene	920 ppm
108-88-3	toluene	560 ppm
109-66-0	pentane	33000*** ppm
110-54-3	n-hexane	2900 ppm
141-78-6	ethyl acetate	1,700 ppm
142-82-5	heptane	830 ppm

· **PAC-3:**

1330-20-7	xylene	2500* ppm
60-29-7	diethyl ether	19000*** ppm
64-17-5	ethanol	15000* ppm
67-56-1	methanol	7200 ppm
67-63-0	propan-2-ol	12000** ppm
67-64-1	acetone	5700* ppm
67-66-3	trichloromethane	3200 ppm
71-43-2	benzene	4000* ppm
75-05-8	acetonitrile	150 ppm
75-09-2	dichloromethane	6900 ppm
75-35-4	1,1-dichloroethylene	1,000 ppm
79-01-6	trichloroethylene	3800 ppm
107-06-2	1,2-dichloroethane	300 ppm
108-38-3	m-xylene	2500* ppm
108-88-3	toluene	3700 ppm
109-66-0	pentane	200000 ppm
110-54-3	n-hexane	8600 ppm
141-78-6	ethyl acetate	10000** ppm
142-82-5	heptane	5000* 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** No special measures required.
· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.

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· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **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:**
The usual precautionary measures for handling chemicals should be followed.
· **Breathing equipment:** Not required.
· **Protection of hands:**
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:** Goggles recommended during refilling.
· **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:**	Undetermined.
· **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.

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· **Solubility in / Miscibility with**	
· **Water:**	Fully miscible.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Vapor pressure:**	Not determined.
· **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:**	100.0 %
· **VOC content:**	0.17 % 1.7 g/l / 0.01 lb/gal
· **Solids content:**	0.0 %
· **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.

* 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
· **Interactive effects** No interactive effects between components are known.

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
1330-20-7	xylene	3
64-17-5	ethanol	1
67-63-0	propan-2-ol	3
67-66-3	trichloromethane	2B
71-43-2	benzene	1
75-09-2	dichloromethane	2A
75-35-4	1,1-dichloroethylene	2B
79-01-6	trichloroethylene	1
95-47-6	o-xylene	3
106-42-3	p-xylene	3
107-06-2	1,2-dichloroethane	2B
108-38-3	m-xylene	3
108-88-3	toluene	3

· **NTP (National Toxicology Program)**		
67-66-3	trichloromethane	R
71-43-2	benzene	K
75-09-2	dichloromethane	R
79-01-6	trichloroethylene	K
107-06-2	1,2-dichloroethane	R

· **OSHA-Ca (Occupational Safety & Health Administration)**	
71-43-2	benzene
75-09-2	dichloromethane

· **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 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **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
· **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

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant; (2) Processing for incorporation into a formulation, mixture, or reaction product; (3) Processing for repackaging; (4) Processing for recycling; (5) Industrial or commercial use as a laboratory chemical; (6) Industrial or commercial use as a bonding agent for solvent welding; (7) Industrial and commercial use as a paint and coating remover from safety critical, corrosion-sensitive components of aircraft and spacecraft; (8) Industrial and commercial use as a processing aid; (9) Industrial and commercial use for plastic and rubber products manufacturing; (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed; (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029; (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety critical non-structural applications until May 8, 2029; (13) Disposal; and (14) Export.

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
This product contains Trichloroethylene (CAS No. 79-01-6), which is subject to risk management restrictions under the U.S. Toxic Substances Control Act (TSCA) Section 6(a), per EPA's final rule published on March 19, 2024 (89 FR 19446; 40 CFR Part 751, Subpart C).
Effective June 16, 2025, domestic manufacture, import, processing, and distribution in commerce of trichloroethylene are prohibited, except for specific conditions of use and time-limited exemptions. This product is intended solely for use as a

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laboratory reference standard. Laboratory uses essential for research and development and quality control are permitted under the TSCA exemption for laboratory use (40 CFR 751.407(e)(6)), and may continue until December 18, 2074. Users must ensure that this product is used exclusively in laboratory settings, in accordance with applicable federal, state, and local regulations.

· **Sara**

· **Section 355 (extremely hazardous substances):**	
67-66-3	trichloromethane

· **Section 313 (Specific toxic chemical listings):**	
1330-20-7	xylene
67-56-1	methanol
67-63-0	propan-2-ol
67-66-3	trichloromethane
71-43-2	benzene
75-05-8	acetonitrile
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
95-47-6	o-xylene
106-42-3	p-xylene
107-06-2	1,2-dichloroethane
108-38-3	m-xylene
108-88-3	toluene
110-54-3	n-hexane

· **TSCA (Toxic Substances Control Act):**		
1330-20-7	xylene	ACTIVE
60-29-7	diethyl ether	ACTIVE
64-17-5	ethanol	ACTIVE
67-56-1	methanol	ACTIVE
67-63-0	propan-2-ol	ACTIVE
67-64-1	acetone	ACTIVE
67-66-3	trichloromethane	ACTIVE
71-43-2	benzene	ACTIVE
75-05-8	acetonitrile	ACTIVE
75-09-2	dichloromethane	ACTIVE
75-35-4	1,1-dichloroethylene	ACTIVE
79-01-6	trichloroethylene	ACTIVE
95-47-6	o-xylene	ACTIVE
106-42-3	p-xylene	ACTIVE
107-06-2	1,2-dichloroethane	ACTIVE
108-38-3	m-xylene	ACTIVE
108-88-3	toluene	ACTIVE
109-66-0	pentane	ACTIVE
110-54-3	n-hexane	ACTIVE
141-78-6	ethyl acetate	ACTIVE

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142-82-5	heptane	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene
67-56-1	methanol
67-66-3	trichloromethane
71-43-2	benzene
75-05-8	acetonitrile
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
95-47-6	o-xylene
106-42-3	p-xylene
107-06-2	1,2-dichloroethane
108-38-3	m-xylene
108-88-3	toluene
110-54-3	n-hexane

· **Proposition 65**

· **Chemicals known to cause cancer:**

67-66-3	trichloromethane
71-43-2	benzene
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane

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

None of the ingredients is listed.

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

71-43-2	benzene
79-01-6	trichloroethylene
110-54-3	n-hexane

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

64-17-5	ethanol
67-56-1	methanol
67-66-3	trichloromethane
71-43-2	benzene
79-01-6	trichloroethylene
108-88-3	toluene

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
67-64-1	acetone	I
67-66-3	trichloromethane	B2, L, NL

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71-43-2	benzene	A, K/L
75-05-8	acetonitrile	CBD, D
75-09-2	dichloromethane	L
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
79-01-6	trichloroethylene	CaH
95-47-6	o-xylene	I
106-42-3	p-xylene	I
107-06-2	1,2-dichloroethane	B2
108-38-3	m-xylene	I
108-88-3	toluene	II
110-54-3	n-hexane	II
142-82-5	heptane	D

· **TLV (Threshold Limit Value)**

1330-20-7	xylene	A4
64-17-5	ethanol	A3
67-63-0	propan-2-ol	A4
67-64-1	acetone	A4
67-66-3	trichloromethane	A3
71-43-2	benzene	A1
75-05-8	acetonitrile	A4
75-09-2	dichloromethane	A3
75-35-4	1,1-dichloroethylene	A4
79-01-6	trichloroethylene	A2
95-47-6	o-xylene	A4
106-42-3	p-xylene	A4
107-06-2	1,2-dichloroethane	A4
108-38-3	m-xylene	A4
108-88-3	toluene	A4

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

67-66-3	trichloromethane
71-43-2	benzene
75-09-2	dichloromethane
75-35-4	1,1-dichloroethylene
79-01-6	trichloroethylene
107-06-2	1,2-dichloroethane

· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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** 02/29/2024
· **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)
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
· *** Data compared to the previous version altered.**