

Issue Date 05-Dec-2019

Revision Date 05-Dec-2019

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** VOCs in Soil - Low Level Sample

### Other means of identification

**Product Code** SPEO-008L, SQCO-008L & SQCO-008LB

**UN/ID no.** 1230

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** For Laboratory Use Only.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

 NSI Lab Solutions, Inc.  
 7212 ACC Blvd.  
 Raleigh, NC 27617

#### **Manufacturer Address**

 NSI Lab Solutions, Inc.  
 7212 ACC Blvd.  
 Raleigh, NC 27617

### Emergency telephone number

**Company Phone Number** 800-234-7837

**FAX** 919-789-3019

**Website** www.nsilabsolutions.com

**E-mail address** nsi@nsilabsolutions.com

**Emergency Telephone** 919-349-7322

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 1

### Label elements

#### **Emergency Overview**

**Danger**

#### **Hazard statements**

H319: Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness

H225: Highly flammable liquid and vapor



**Appearance** Clear, colorless liquid      **Physical state** Liquid      **Odor** No information available

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ equipment.  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/eye protection/face protection  
 Keep cool

#### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Call a POISON CENTER or doctor if you feel unwell  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

#### Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Repeated exposure may cause skin dryness or cracking.

#### Other Information

May be harmful if inhaled

Unknown acute toxicity      100 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical Name	CAS No.	Weight-%
Methyl alcohol	67-56-1	90 – 99.9
1,1,1,2-Tetrachloroethane	630-20-6	<0.001
1,1,1-Trichloroethane	71-55-6	<0.001
1,1,2,2-Tetrachloroethane	79-34-5	<0.001
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	<0.001

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1,1,2-Trichloroethane	79-00-5	<0.001
1,1-Dichloroethane	75-34-3	<0.001
1,1-Dichloroethylene	75-35-4	<0.001
1,1-Dichloropropylene	75-35-5	<0.001
1,2,3-Trichlorobenzene	87-61-6	<0.001
1,2,3-Trichloropropane	96-18-4	<0.001
1,2,4-Trichlorobenzene	120-82-1	<0.001
1,2,4-Trimethylbenzene	95-63-6	<0.001
1,2-Dibromo-3-chloropropane	96-12-8	<0.001
1,2-Dibromoethane	106-93-4	<0.001
1,2-Dichlorobenzene	2199-69-1	<0.001
1,2-Dichloroethane	107-06-2	<0.001
1,2-Dichloropropane	78-87-5	<0.001
1,3,5-Trichlorobenzene	108-70-3	<0.001
1,3,5-Trimethylbenzene	108-67-8	<0.001
1,3-Dichlorobenzene	541-73-1	<0.001
1,3-Dichloropropane	142-28-9	<0.001
1,4-Dichlorobenzene	3855-82-1	<0.001
1,4-Dioxane	123-91-1	<0.001
1-Chlorohexane	544-10-5	<0.001
2,2-Dichloropropane	594-20-7	<0.001
2-Butanone	78-93-3	<0.001
2-Chloroethyl vinyl ether	110-75-8	<0.001
2-Chlorotoluene	95-49-8	<0.001
2-Hexanone	591-78-6	<0.001
3,3-Dimethyl-1-butanol	624-95-3	<0.001
4-Chlorotoluene	106-43-4	<0.001
4-Methyl-2-pentanone	108-10-1	<0.001
Acetone	67-64-1	<0.001
Acetonitrile	75-05-8	<0.001
Acrolein	107-02-8	<0.001

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Acrylonitrile	107-13-1	<0.001
Allyl chloride	107-05-1	<0.001
Benzene	71-43-2	<0.001
Bromobenzene	108-86-1	<0.001
Bromochloromethane	74-97-5	<0.001
Bromodichloromethane	75-27-4	<0.001
Bromoform	75-25-2	<0.001
Bromomethane	74-83-9	<0.001
Carbon disulfide	75-15-0	<0.001
Carbon tetrachloride	56-23-5	<0.001
Chlorobenzene	108-90-7	<0.001
Chloroethane	75-00-3	<0.001
Chloroform	67-66-3	<0.001
Chloromethane	74-87-3	<0.001
Chloroprene	126-99-8	<0.001
cis-1,2-Dichloroethylene	156-59-2	<0.001
cis-1,3-Dichloropropene	10061-01-5	<0.001
cis-1,4-Dichloro-2-butene	1476-11-5	<0.001
Cyclohexane	110-82-7	<0.001
Di-isopropyl ether	108-20-3	<0.001
Dibromochloromethane	124-48-1	<0.001
Dibromomethane	74-95-3	<0.001
Dichlorodifluoromethane	75-71-8	<0.001
Diethyl ether	60-29-7	<0.001
Ethanol	64-17-5	<0.001
Ethyl methacrylate	97-63-2	<0.001
Ethyl-tert-butyl ether (ETBE)	637-92-3	<0.001
Ethylbenzene	100-41-4	<0.001
Hexachlorobutadiene	87-68-3	<0.001
Hexachloroethane	67-72-1	<0.001
Iodomethane	74-88-4	<0.001

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Isobutyl alcohol	78-83-1	<0.001
Isopropylbenzene	98-82-8	<0.001
Methacrylonitrile	126-98-7	<0.001
Methyl acetate	79-20-9	<0.001
Methyl cyclohexane	108-87-2	<0.001
Methyl methacrylate	80-62-6	<0.001
Methyl-tert-butyl ether (MTBE)	1634-04-4	<0.001
Methylene chloride	75-09-2	<0.001
n-Butylbenzene	104-51-8	<0.001
n-Hexane	110-54-3	<0.001
n-Propylbenzene	103-65-1	<0.001
Naphthalene	91-20-3	<0.001
p-Isopropyltoluene	99-87-6	<0.001
Pentachloroethane	76-01-7	<0.001
Propionitrile	107-12-0	<0.001
sec-Butylbenzene	135-98-8	<0.001
Styrene	100-42-5	<0.001
t-Amyl alcohol	75-85-4	<0.001
t-Amylmethyl ether (TAME)	994-05-8	<0.001
t-Butyl alcohol	75-65-0	<0.001
tert-Butylbenzene	98-06-6	<0.001
Tetrachloroethylene	127-18-4	<0.001
Tetrahydrofuran	109-99-9	<0.001
Toluene	108-88-3	<0.001
Total Xylenes	1330-20-7	<0.001
trans-1,2-Dichloroethylene	156-60-5	<0.001
trans-1,3-Dichloropropene	10061-02-6	<0.001
trans-1,4-Dichloro-2-butene	110-57-6	<0.001
Trichloroethylene	79-01-6	<0.001
Trichlorofluoromethane	75-69-4	<0.001
Vinyl acetate	108-05-4	<0.001

Vinyl chloride

75-01-4

&lt;0.001

Refer to Certificate of Analysis for exact percentage concentration.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Consult a physician, if necessary.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	The most important known symptoms and effects are described in Section 2 and/or Section 11.
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##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

##### Specific hazards arising from the chemical

Carbon oxides.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Ensure adequate ventilation, especially in confined areas.
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##### Environmental precautions

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.
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## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. For precautions, see Section 2.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** No information available. Bases, oxidizing agents, reducing agents, Acetone reacts violently with phosphorous oxychloride.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm	TWA:200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) STEL: 250 ppm	IDLH: 6000 ppm TWA: 200 ppm TWA: 250 mg/m <sup>3</sup> STEL:: 250ppm STEL:325mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Showers, Eyewash stations & Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Pungent
<b>Appearance</b>	Clear, colorless liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Colorless		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point	No information available	Closed Cup	
Evaporation rate	No information available	No information available	
Flammability (solid, gas)	No information available	No information available	
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available	No information available	
Vapor density	No information available	No information available	

<b>Relative density</b>	No information available	No information available
<b>Water solubility</b>	Miscible in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	No information available
<b>Kinematic viscosity</b>	No information available	No information available
<b>Dynamic viscosity</b>	No information available	No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No information available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

No information available. Bases, oxidizing agents, reducing agents, Acetone reacts violently with phosphorous oxychloride.

**Hazardous Decomposition Products**

No information available.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl alcohol 67-56-1	= 620 mg/kg ( Rat )	> 15800 mg/kg ( Rabbit )	= 22500 mg/m <sup>3</sup> ( Rat ) 8 h

**Information on toxicological effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**



<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	101.00
<b>ATEmix (dermal)</b>	303.00
<b>ATEmix (inhalation-dust/mist)</b>	0.51

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Methyl alcohol 67-56-1	-	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl alcohol 67-56-1	-	Included in waste stream: F039	-	U154

Chemical Name	California Hazardous Waste Status
Methyl alcohol 67-56-1	Toxic Ignitable

## 14. TRANSPORT INFORMATION

**DOT**

UN/ID no.	1230
Proper shipping name	Methanol solution
Hazard Class	3
Packing Group	II
Reportable Quantity (RQ)	5000 lbs

**IATA**

UN/ID no.	1230
Proper shipping name	Methanol
Hazard Class	3
Packing Group	II

**IMDG**

UN/ID no.	1230
Proper shipping name	Methanol
Hazard Class	3
Packing Group	II

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product, as supplied, does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	California Proposition 65
Methyl alcohol - 67-56-1	Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methyl alcohol - 67-56-1	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazards 2	Flammability 3	Instability 0	Physical and Chemical Properties -
<b><u>HMIS</u></b>	Health hazards 2	Flammability 3	Physical hazards 0	Personal protection X
<i>Chronic Hazard Star Legend</i>	* = Chronic Health Hazard			

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**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**