SAFETY DATA SHEET

Issue Date 05-Dec-2019 **Revision Date** 05-Dec-2019 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name VOCs in Soil - Mid Level Sample

Other means of identification

Product Code SPEO-008H, SQCO-008H & SQCO-008HB

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 CO2, 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

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	

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

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	

Refer to Certificate of Analysis for exact percentage concentration.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water.

Inhalation Remove to fresh air.

Ingestion 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

Symptoms The most important known symptoms and effects are described in Section 2 and/or Section 11.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

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

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

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^3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m^3 (vacated) STEL: 325 mg/m^3 (vacated) STEL: 250 ppm	IDLH: 6000 ppm TWA: 200 ppm TWA: 250 mg/m^3 STEL:: 250ppm STEL:325mg/m^3

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

Physical state	Liquid		
Appearance	Clear, colorless liquid	**Odor**	Pungent
Color	Colorless	**Odor threshold**	No information available

Property	Values	Remarks • Method
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

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

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	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

Product Information No data available

Inhalation No data available.

Eye contact No data available.

Skin contact No data available.

Ingestion 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^3 (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

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

Numerical measures of toxicity - Product Information

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

ATEmix (oral) 101.00
ATEmix (dermal) 303.00
ATEmix (inhalation-dust/mist) 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

15. REGULATORY INFORMATION

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

NFPA	**Health hazards**	2	**Flammability**	3	**Instability** 0	**Physical and Chemical Properties** -	
HMIS	**Health hazards**	2	**Flammability**	3	**Physical hazards** 0	**Personal protection**	X

Chronic Hazard Star Legend ** = 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