

## 1. IDENTIFICATION

**Product identifier** Product Name Oil & Grease QC Standard

### Other means of identification

**Product Code** QC-003L or QC-003

**UN/ID no.** UN1090 **Synonyms** None

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

**Recommended Use** For Laboratory Use Only.

**Uses advised against** Ingestion

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

#### **Supplier Address**

NSI Lab Solutions  
7212 ACC Blvd.  
Raleigh, NC 27617

#### **Emergency telephone number**

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

**FAX** 919-957-9657

**Website** www.nsilabsolutions.com

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

**Emergency Telephone** 800-234-7837: 8 - 5 EST M-F

## 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 - H319
Specific target organ toxicity (single exposure)	Category 3 - H336
Flammable liquids	Category 2 - H225

### **Label elements**

### Emergency Overview

#### **Danger**

#### **Hazard statements**

H319: Causes serious eye irritation

H336: 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.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 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.  
 Keep cool

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): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**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                      0.2% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Substance</b>		
<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight-%</b>
Acetone	67-64-1	99.6
Stearic acid	57-11-4	0.2
n-Hexadecane	544-76-3	0.2

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

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. For precautions, see Section 2.
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**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
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Stearic acid 57-11-4	-	-	-
n-Hexadecane 544-76-3	-	-	-

**Appropriate engineering controls**

**Engineering Controls** 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

<b>Color</b>	Colorless
<b><u>Property</u></b>	<b><u>Values</u></b>
<b>pH</b>	No Information Available
<b>Melting point / freezing point</b>	-94 °C -137 °F
<b>Boiling point / boiling range</b>	56 °C 133 °F (at 760 mm Hg)
<b>Flash point</b>	-16.99 °C 1.42 °F
<b>Evaporation rate</b>	No Information Available
<b>Flammability (solid, gas)</b>	No Information Available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	13% (V)
<b>Lower flammability limit:</b>	2% (V)
<b>Vapor pressure</b>	No Information Available
<b>Vapor density</b>	No Information Available
<b>Relative density</b>	No Information Available
<b>Water solubility</b>	Miscible in water
<b>Solubility in other solvents</b>	No Information Available

**Odor** No Information Available **Odor threshold** No Information Available

**Remarks • Method**

Closed Cup  
No Information Available  
No Information Available

No Information Available  
No Information Available  
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

<b>Partition coefficient</b>	No Information Available		<b>Inhalation</b>
<b>Autoignition temperature</b>	465.0 °C 869.0 °F		No data available.
<b>Decomposition temperature</b>	No Information Available	No Information Available	
<b>Kinematic viscosity</b>	No Information Available	No Information Available	<b>Eye contact</b>
<b>Dynamic viscosity</b>	No Information Available	No Information Available	No data available.
<b>Explosive properties</b>	No Information Available		
<b>Oxidizing properties</b>	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

**Skin contact** No data available. **Ingestion** No data available.

**Component Information** The table below lists only those components with available toxicological information.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	-	-	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
n-Hexadecane 544-76-3	-	-	-
Stearic acid 57-11-4	-	> 5 g/kg ( Rabbit )	-

**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 (inhalation-dust/mist) 100.60

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0.4 % of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone 67-64-1	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
n-Hexadecane 544-76-3	-	-	-
Stearic acid 57-11-4	-	-	-

**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
Acetone 67-64-1	-	Included in waste stream: F039	-	U002
n-Hexadecane 544-76-3	-	-	-	-
Stearic acid 57-11-4	-	-	-	-
Chemical Name	California Hazardous Waste Status			
Acetone 67-64-1	Ignitable			
n-Hexadecane 544-76-3	-			
Stearic acid 57-11-4	-			

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no.

Not regulated

Proper shipping name

UN1090

Acetone

<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Reportable Quantity (RQ)</b>	5000 lbs

<b>UN/ID no.</b>	UN1090
<b>Proper shipping name</b>	Acetone
<b>Hazard Class</b>	3
<b>Packing Group</b>	II

<b>UN/ID no.</b>	UN1090
<b>Proper shipping name</b>	Acetone
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>EmS-No.</b>	F-E, S-D

## 15. REGULATORY INFORMATION

### International Inventories

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

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product 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

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

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

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

**Issue Date** 29-Oct-2019

**Revision Date** 29-Oct-2019

**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**