

# SAFETY DATA SHEET



Sample Kit, 400MR, Part Number 191819300

## Section 1. Identification

This product is considered an article. This Material Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

### 1.1 Product identifier

**Product name** : Sample Kit, 400MR, Part Number 191819300  
**Part No. (Chemical Kit)** : 191819300  
**Part No.** : ID 1 96812096  
 2-Ethyl-1-Indanone in CDCl3 190185503  
 Autotest, no salt 190185506  
**Validation date** : 12/31/2015

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Material uses** : Analytical chemistry.  
 ID 1 860 µl  
 2-Ethyl-1-Indanone in CDCl3 860 µl  
 Autotest, no salt 860 µl

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

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

### 2.1 Classification of the substance or mixture

**OSHA/HCS status** : ID 1 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 2-Ethyl-1-Indanone in CDCl3 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 Autotest, no salt This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

**H 1**  
 H302 ACUTE TOXICITY (oral) - Category 4  
 H315 SKIN IRRITATION - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H351 CARCINOGENICITY - Category 2  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
 H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys and liver)

## Section 2. Hazards identification

H304 - Category 2  
ASPIRATION HAZARD - Category 1

### 2-Ethyl-1-Indanone in CDCI3

H302 ACUTE TOXICITY (oral) - Category 4  
 H315 SKIN IRRITATION - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H351 CARCINOGENICITY - Category 2  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
 H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys and liver) - Category 2  
 H304 ASPIRATION HAZARD - Category 1

### Autotest, no salt

H360 TOXIC TO REPRODUCTION (Fertility) - Category 1B  
 H360 TOXIC TO REPRODUCTION (Unborn child) - Category 1B


**Ingredients of unknown toxicity** : ID 1 Not applicable.  
 2-Ethyl-1-Indanone in CDCI3 Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 2.1%  
 Autotest, no salt Not applicable.

### 2.2 GHS label elements


#### Hazard pictograms



#### Signal word

:  1  
 2-Ethyl-1-Indanone in CDCI3 Danger  
 Autotest, no salt Danger

#### Hazard statements

:  1  
 GHS SYMBOL - **Exclamation mark - Health hazard** -  
 H302 - Harmful if swallowed.  
 H319 - Causes serious eye irritation.  
 H315 - Causes skin irritation.  
 H351 - Suspected of causing cancer.  
 H304 - May be fatal if swallowed and enters airways.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H373 - May cause damage to organs through prolonged or repeated exposure. (kidneys, liver)  
 GHS SYMBOL - **Exclamation mark - Health hazard** -  
 H302 - Harmful if swallowed.  
 H319 - Causes serious eye irritation.  
 H315 - Causes skin irritation.  
 H351 - Suspected of causing cancer.  
 H304 - May be fatal if swallowed and enters airways.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H373 - May cause damage to organs through prolonged or repeated exposure. (kidneys, liver)

## Section 2. Hazards identification

Autotest, no salt

GHS SYMBOL - **Health hazard** -  
H360 - May damage fertility or the unborn child.

### Precautionary statements

#### Prevention

:  1

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.  
P271 - Use only outdoors or in a well-ventilated area.  
P260 - Do not breathe vapor.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.  
P271 - Use only outdoors or in a well-ventilated area.

2-Ethyl-1-Indanone in CDCl3

P260 - Do not breathe vapor.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Autotest, no salt

#### Response

:  1

P314 - Get medical attention if you feel unwell.  
P308 + P313 - IF exposed or concerned: Get medical attention.  
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.  
P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
P332 + P313 - If skin irritation occurs: Get medical attention.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical attention.  
P314 - Get medical attention if you feel unwell.  
P308 + P313 - IF exposed or concerned: Get medical attention.  
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

2-Ethyl-1-Indanone in CDCl3

## Section 2. Hazards identification

P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.  
 P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
 P332 + P313 - If skin irritation occurs: Get medical attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P308 + P313 - IF exposed or concerned: Get medical attention.

P405 - Store locked up.  
 P405 - Store locked up.  
 P405 - Store locked up.

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  
 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  
 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

None known.  
 None known.  
 None known.

None known.  
 None known.  
 None known.

	Autotest, no salt	
<b>Storage</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	
<b>Disposal</b>	: ID 1  2-Ethyl-1-Indanone in CDCl <sub>3</sub>  Autotest, no salt	
<b>Supplemental label elements</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	
<b>2.3 Other hazards</b>		
<b>Hazards not otherwise classified</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	

## Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

<b>Substance/mixture</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article)
--------------------------	--	---

Ingredient name	%	CAS number
ID 1 ( <sup>2</sup> H)Chloroform	≥90	865-49-6
Iodomethane ( <sup>13</sup> C)	≤1.5	4227-95-6
Trimethyl phosphite	≤1.5	121-45-9
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> ( <sup>2</sup> H)Chloroform	≥90	865-49-6
<b>Autotest, no salt</b>		

## Section 3. Composition/information on ingredients

Methanol ( <sup>13</sup> C)	≤0.3	14742-26-8
-----------------------------	------	------------

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**


Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	: ID 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Autotest, no salt	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
<b>Inhalation</b>	: ID 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of

## Section 4. First aid measures

	Autotest, no salt	decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Skin contact</b>	: ID 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	2-Ethyl-1-Indanone in CDCI3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Autotest, no salt	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	:  1	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by
	2-Ethyl-1-Indanone in CDCI3	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by

## Section 4. First aid measures

Autotest, no salt

mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2 Most important symptoms/effects, acute and delayed


#### Potential acute health effects

##### Eye contact

: ID 1  
2-Ethyl-1-Indanone in CDCI3  
Autotest, no salt

Causes serious eye irritation.  
Causes serious eye irritation.  
No known significant effects or critical hazards.

##### Inhalation

:  1  
  
2-Ethyl-1-Indanone in CDCI3


Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

##### Skin contact

: ID 1  
2-Ethyl-1-Indanone in CDCI3  
Autotest, no salt

Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.  
No known significant effects or critical hazards.

##### Ingestion

:  1  
  
2-Ethyl-1-Indanone in CDCI3  
  
Autotest, no salt

Causes skin irritation.  
Causes skin irritation.  
No known significant effects or critical hazards.  
Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.  
Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.  
No known significant effects or critical hazards.


#### Over-exposure signs/symptoms

##### Eye contact

: ID 1  
  
2-Ethyl-1-Indanone in CDCI3  
  
Autotest, no salt

Adverse symptoms may include the following:  
pain or irritation  
watering  
redness  
Adverse symptoms may include the following:  
pain or irritation  
watering  
redness  
No specific data.

## Section 4. First aid measures

<b>Inhalation</b>	: ID 1	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact</b>	: ID 1	Adverse symptoms may include the following: irritation redness
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: irritation redness
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion</b>	:  1	Adverse symptoms may include the following: nausea or vomiting
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: nausea or vomiting
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: ID 1	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Autotest, no salt	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: ID 1	No specific treatment.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No specific treatment.
	Autotest, no salt	No specific treatment.



## Section 4. First aid measures

<b>Protection of first-aiders</b>	: ID 1	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Autotest, no salt	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.


See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: ID 1	Use an extinguishing agent suitable for the surrounding fire.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Use an extinguishing agent suitable for the surrounding fire.
	Autotest, no salt	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: ID 1	None known.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	None known.
	Autotest, no salt	None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	: ID 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	In a fire or if heated, a pressure increase will occur and the container may burst.
	Autotest, no salt	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	:  1	Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides halogenated compounds carbonyl halides
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides
	Autotest, no salt	No specific data.


## Section 5. Fire-fighting measures

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	: ID 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	2-Ethyl-1-Indanone in CDCI3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Autotest, no salt	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: ID 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	2-Ethyl-1-Indanone in CDCI3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Autotest, no salt	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

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

<b>For non-emergency personnel</b>	:  1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	2-Ethyl-1-Indanone in CDCI3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Autotest, no salt	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

## Section 6. Accidental release measures

<b>For emergency responders</b> : ID 1	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Autotest, no salt	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
<b>6.2 Environmental precautions</b> : ID 1	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Autotest, no salt	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>6.3 Methods and materials for containment and cleaning up</b>		
<b>Methods for cleaning up</b> : ID 1	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Autotest, no salt	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

## Section 7. Handling and storage

### Protective measures

: 1

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

2-Ethyl-1-Indanone in CDCl<sub>3</sub>

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Autotest, no salt

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

### Advice on general occupational hygiene

: 1

2-Ethyl-1-Indanone in CDCl<sub>3</sub>

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment

Autotest, no salt

## Section 7. Handling and storage

before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

: ID 1

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

2-Ethyl-1-Indanone in CDCl<sub>3</sub>

Autotest, no salt

### 7.3 Specific end use(s)

#### Recommendations

: ID 1

Industrial applications, Professional applications.  
Industrial applications, Professional applications.  
Industrial applications, Professional applications.

2-Ethyl-1-Indanone in CDCl<sub>3</sub>  
Autotest, no salt

#### Industrial sector specific solutions

:  1

Not applicable.  
Not applicable.  
Not applicable.

2-Ethyl-1-Indanone in CDCl<sub>3</sub>  
Autotest, no salt

## Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### 8.1 Control parameters

#### Occupational exposure limits

## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
<p><b>ID 1</b> (<sup>2</sup>H)Chloroform</p>	<p><b>ACGIH TLV (United States, 3/2015).</b> TWA: 10 ppm 8 hours. TWA: 49 mg/m<sup>3</sup> 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 2 ppm 8 hours. TWA: 9.78 mg/m<sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> STEL: 2 ppm 60 minutes. STEL: 9.78 mg/m<sup>3</sup> 60 minutes. <b>OSHA PEL (United States, 2/2013).</b> CEIL: 50 ppm CEIL: 240 mg/m<sup>3</sup></p>
<p>Iodomethane (<sup>13</sup> C)</p>	<p><b>ACGIH TLV (United States, 3/2015).</b> <b>Absorbed through skin.</b> TWA: 2 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> <b>Absorbed through skin.</b> TWA: 2 ppm 8 hours. TWA: 10 mg/m<sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> <b>Absorbed through skin.</b> TWA: 2 ppm 10 hours. TWA: 10 mg/m<sup>3</sup> 10 hours. <b>OSHA PEL (United States, 2/2013).</b> <b>Absorbed through skin.</b> TWA: 5 ppm 8 hours. TWA: 28 mg/m<sup>3</sup> 8 hours.</p>
<p>Trimethyl phosphite</p>	<p><b>ACGIH TLV (United States, 3/2015).</b> TWA: 2 ppm 8 hours. TWA: 10 mg/m<sup>3</sup> 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 2 ppm 8 hours. TWA: 10 mg/m<sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> TWA: 2 ppm 10 hours. TWA: 10 mg/m<sup>3</sup> 10 hours.</p>
<p><b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> (<sup>2</sup>H)Chloroform</p>	<p><b>ACGIH TLV (United States, 3/2015).</b> TWA: 10 ppm 8 hours. TWA: 49 mg/m<sup>3</sup> 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 2 ppm 8 hours. TWA: 9.78 mg/m<sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2013).</b> STEL: 2 ppm 60 minutes. STEL: 9.78 mg/m<sup>3</sup> 60 minutes. <b>OSHA PEL (United States, 2/2013).</b> CEIL: 50 ppm CEIL: 240 mg/m<sup>3</sup></p>
<p><b>Autotest, no salt</b> Methanol (<sup>13</sup>C)</p>	<p><b>ACGIH TLV (United States, 3/2015).</b> <b>Absorbed through skin.</b></p>

## Section 8. Exposure controls/personal protection

TWA: 200 ppm 8 hours.  
 TWA: 262 mg/m<sup>3</sup> 8 hours.  
 STEL: 250 ppm 15 minutes.  
 STEL: 328 mg/m<sup>3</sup> 15 minutes.  
**OSHA PEL 1989 (United States, 3/1989).**  
**Absorbed through skin.**  
 TWA: 200 ppm 8 hours.  
 TWA: 260 mg/m<sup>3</sup> 8 hours.  
 STEL: 250 ppm 15 minutes.  
 STEL: 325 mg/m<sup>3</sup> 15 minutes.  
**NIOSH REL (United States, 10/2013).**  
**Absorbed through skin.**  
 TWA: 200 ppm 10 hours.  
 TWA: 260 mg/m<sup>3</sup> 10 hours.  
 STEL: 250 ppm 15 minutes.  
 STEL: 325 mg/m<sup>3</sup> 15 minutes.  
**OSHA PEL (United States, 2/2013).**  
 TWA: 200 ppm 8 hours.  
 TWA: 260 mg/m<sup>3</sup> 8 hours.

### 8.2 Exposure controls

#### Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

#### Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

#### Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

#### Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Section 8. Exposure controls/personal protection

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Liquid. Liquid. Liquid.
<b>Color</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Colorless. Not available.
<b>Odor</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Pleasant.-Sweet. Not available.
<b>Odor threshold</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Not available. Not available.
<b>pH</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Not available. Not available.
<b>Melting point</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	-64°C (-83.2°F) -63°C (-81.4°F) 3.81°C (38.9°F)
<b>Boiling point</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	60.9°C (141.6°F) 60.5 to 61.5°C (140.9 to 142.7°F) 101.1°C (214°F)
<b>Flash point</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Not available. Not available.
<b>Evaporation rate</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Not available. Not available.
<b>Flammability (solid, gas)</b>	: <input checked="" type="checkbox"/> ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not applicable. Not applicable. Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. Not available. Not available.
<b>Vapor pressure</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. 21.3 kPa (160 mm Hg) [room temperature] Not available.
<b>Vapor density</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	Not available. 4.1 [Air = 1] Not available.
<b>Relative density</b>	: ID 1 2-Ethyl-1-Indanone in CDCl <sub>3</sub> Autotest, no salt	1500 1.492 1.1 [(D <sub>2</sub> O)]



## Section 9. Physical and chemical properties

<b>Solubility</b>	: ID 1	Very slightly soluble in the following materials: cold water and hot water.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Very slightly soluble in the following materials: cold water and hot water.
	Autotest, no salt	Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Auto-ignition temperature</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Decomposition temperature</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Viscosity</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: ID 1	No specific test data related to reactivity available for this product or its ingredients.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No specific test data related to reactivity available for this product or its ingredients.
	Autotest, no salt	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: ID 1	The product is stable.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	The product is stable.
	Autotest, no salt	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: ID 1	Under normal conditions of storage and use, hazardous reactions will not occur.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Under normal conditions of storage and use, hazardous reactions will not occur.
	Autotest, no salt	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: ID 1	No specific data.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No specific data.
	Autotest, no salt	No specific data.
<b>10.5 Incompatible materials</b>	: ID 1	May react or be incompatible with oxidizing materials.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	May react or be incompatible with oxidizing materials.
	Autotest, no salt	May react or be incompatible with oxidizing materials.

## Section 10. Stability and reactivity

<b>10.6 Hazardous decomposition products</b>	: ID 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Autotest, no salt	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>ID 1</b>				
( <sup>2</sup> H)Chloroform	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	47702 mg/m <sup>3</sup> >20 g/kg 300 mg/kg	4 hours - -
Iodomethane ( <sup>13</sup> C)	LC50 Inhalation Vapor LD50 Oral	Rat Rat	1300 mg/m <sup>3</sup> 76 mg/kg	4 hours -
Trimethyl phosphite	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	182000 mg/m <sup>3</sup> 2600 mg/kg 1350 mg/kg	1 hours - -
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b>				
( <sup>2</sup> H)Chloroform	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	47702 mg/m <sup>3</sup> >20 g/kg 300 mg/kg	4 hours - -
<b>Autotest, no salt</b>				
Methanol ( <sup>13</sup> C)	LC50 Inhalation Gas. LC50 Inhalation Gas. LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	145000 ppm 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 4 hours - -

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>ID 1</b>					
( <sup>2</sup> H)Chloroform	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	24 hours 20 milligrams 24 hours 500 milligrams	- -
Iodomethane ( <sup>13</sup> C)	Eyes - Severe irritant Skin - Mild irritant Skin - Severe irritant Skin - Mild irritant	Rabbit Rat Rabbit Human	- - - -	100 milligrams 30 minutes 1 Grams 500 milligrams 10 minutes 1 Grams	- - - -
Trimethyl phosphite	Eyes - Mild irritant Skin - Severe irritant	Rabbit Rabbit	- -	0.1 Milliliters 500 milligrams	- -
<b>2-Ethyl-1-Indanone in</b>					

## Section 11. Toxicological information

<b>CDCI3</b> ( <sup>2</sup> H)Chloroform	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>Autotest, no salt</b> Methanol ( <sup>13</sup> C)	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
<b>ID 1</b> ( <sup>2</sup> H)Chloroform Iodomethane ( <sup>13</sup> C)	- -	2B 3	Reasonably anticipated to be a human carcinogen. -
<b>2-Ethyl-1-Indanone in CDCl3</b> ( <sup>2</sup> H)Chloroform	-	2B	Reasonably anticipated to be a human carcinogen.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Iodomethane ( <sup>13</sup> C)	Category 3	Not applicable.	Respiratory tract irritation
Trimethyl phosphite	Category 3	Not applicable.	Respiratory tract irritation
<b>2-Ethyl-1-Indanone in CDCl3</b> ( <sup>2</sup> H)Chloroform	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
<b>Autotest, no salt</b> Methanol ( <sup>13</sup> C)	Category 1	Not determined	central nervous system (CNS)

## Section 11. Toxicological information

	Category 3	Not applicable.	Respiratory tract irritation
--	------------	-----------------	------------------------------

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	Category 2	Not determined	kidneys and liver
<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	Category 2	Not determined	kidneys and liver

### Aspiration hazard

Name	Result
<b>ID 1</b> ID 1 ( <sup>2</sup> H)Chloroform	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
<b>2-Ethyl-1-Indanone in CDCI3</b> 2-Ethyl-1-Indanone in CDCI3 ( <sup>2</sup> H)Chloroform	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

:  1

2-Ethyl-1-Indanone in CDCI3

Autotest, no salt

Routes of entry anticipated: Oral, Dermal, Inhalation.

Routes of entry anticipated: Oral, Dermal, Inhalation.

Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

#### Eye contact

: ID 1

2-Ethyl-1-Indanone in CDCI3

Autotest, no salt

Causes serious eye irritation.

Causes serious eye irritation.

No known significant effects or critical hazards.

#### Inhalation

:  1

2-Ethyl-1-Indanone in CDCI3

Autotest, no salt

Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

No known significant effects or critical hazards.

#### Skin contact

: ID 1

2-Ethyl-1-Indanone in CDCI3

Autotest, no salt

Causes skin irritation.

Causes skin irritation.

No known significant effects or critical hazards.

#### Ingestion

:  1

2-Ethyl-1-Indanone in CDCI3

Autotest, no salt

Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

## Section 11. Toxicological information

<b>Eye contact</b>	: ID 1	Adverse symptoms may include the following: pain or irritation watering redness
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: pain or irritation watering redness
	Autotest, no salt	No specific data.
<b>Inhalation</b>	: ID 1	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact</b>	: ID 1	Adverse symptoms may include the following: irritation redness
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: irritation redness
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion</b>	: ID 1	Adverse symptoms may include the following: nausea or vomiting
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following: nausea or vomiting
	Autotest, no salt	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

## Section 11. Toxicological information

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	No known significant effects or critical hazards. No known significant effects or critical hazards. May damage the unborn child.
<b>Developmental effects</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: ID 1 2-Ethyl-1-Indanone in CDCI3 Autotest, no salt	No known significant effects or critical hazards. No known significant effects or critical hazards. May damage fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>ID 1</b> Oral Dermal Inhalation (vapors)	477.3 mg/kg 77297.3 mg/kg 300 mg/l
<b>2-Ethyl-1-Indanone in CDCI3</b> Oral	510.7 mg/kg

**Other information** : **ID 1**  
2-Ethyl-1-Indanone in CDCI3  
Autotest, no salt

Not available.  
Not available.  
Not available.

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	Acute EC50 13.3 mg/l Fresh water  Acute EC50 2.803 mg/l Fresh water Acute LC50 29000 µg/l Fresh water Acute LC50 13300 µg/l Fresh water Chronic EC10 3.61 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Chlamydomonas reinhardtii - Exponential growth	72 hours  48 hours 48 hours 96 hours 72 hours

## Section 12. Ecological information

Iodomethane ( <sup>13</sup> C)	Chronic NOEC 1.8 mg/l Fresh water Acute LC50 1.19 ppm Fresh water	phase Daphnia - Daphnia magna Fish - Cyprinus carpio	21 days 96 hours
<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	Acute EC50 13.3 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Acute EC50 2.803 mg/l Fresh water Acute LC50 29000 µg/l Fresh water Acute LC50 13300 µg/l Fresh water Chronic EC10 3.61 mg/l Fresh water	Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Chlamydomonas reinhardtii - Exponential growth phase	48 hours 48 hours 96 hours 72 hours
<b>Autotest, no salt</b> Methanol ( <sup>13</sup> C)	Chronic NOEC 1.8 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute EC50 16.912 mg/l Marine water Acute LC50 2500000 µg/l Marine water	Algae - Ulva pertusa Crustaceans - Crangon crangon - Adult	96 hours 48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water Chronic NOEC 9.96 mg/l Marine water	Fish - Danio rerio - Egg Algae - Ulva pertusa	96 hours 96 hours

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>ID 1</b>			
( <sup>2</sup> H)Chloroform	1.97	690	high
Iodomethane ( <sup>13</sup> C)	1.57	-	low
Trimethyl phosphite	-0.73	-	low
<b>2-Ethyl-1-Indanone in CDCI3</b>			
( <sup>2</sup> H)Chloroform	1.97	690	high
<b>Autotest, no salt</b>			
Methanol ( <sup>13</sup> C)	-0.77	<10	low

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

12.5 Other adverse effects :  No known significant effects or critical hazards.

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**RCRA classification** :  1 Not available.  
2-Ethyl-1-Indanone in CDCI3 Not available.  
Autotest, no salt Not available.

### United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
<input checked="" type="checkbox"/> 1 Chloroform; Methane, trichloro- Methyl iodide; Methane, iodo-	865-49-6 4227-95-6	Listed Listed	U044 U138
<b>2-Ethyl-1-Indanone in CDCI3</b> Chloroform; Methane, trichloro-	865-49-6	Listed	U044

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### Regulatory information

**Additional information** : Remarks  
De minimis quantities

**DOT / IMDG / IATA** : Not regulated.

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**U.S. Federal regulations** :  TSCA 8(a) PAIR: Acetonitrile (<sup>15</sup>N)  
**Commerce control list precursor:** Trimethyl phosphite  
**United States inventory (TSCA 8b):** All components are listed or exempted.  
 **Clean Water Act (CWA) 307:** (<sup>2</sup>H)Chloroform; Chromium(III) 4-oxopent-2-ene-2-olate; Acetonitrile (<sup>15</sup>N)



## Section 15. Regulatory information

Clean Water Act (CWA) 311: (<sup>2</sup>H)Chloroform

Clean Air Act (CAA) 112 regulated toxic substances: (<sup>2</sup>H)Chloroform

Clean Air Act Section 112 : Listed

(b) Hazardous Air  
Pollutants (HAPs)

Clean Air Act Section 602 : Not listed  
Class I Substances

Clean Air Act Section 602 : Not listed  
Class II Substances

DEA List I Chemicals : Not listed  
(Precursor Chemicals)

DEA List II Chemicals : Not listed  
(Essential Chemicals)

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	≥90	Yes.	-	-	-	-
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> ( <sup>2</sup> H)Chloroform	≥90	Yes.	-	-	-	-

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	≥90	No.	No.	No.	Yes.	Yes.
Iodomethane ( <sup>13</sup> C)	≤1.5	No.	No.	No.	Yes.	Yes.
Trimethyl phosphite	≤1.5	Yes.	No.	No.	Yes.	No.
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> ( <sup>2</sup> H)Chloroform	≥90	No.	No.	No.	Yes.	Yes.
<b>Autotest, no salt</b> Methanol ( <sup>13</sup> C)	≤0.3	Yes.	No.	No.	Yes.	Yes.

### SARA 313

## Section 15. Regulatory information

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	<b>ID 1</b> ( <sup>2</sup> H)Chloroform Iodomethane ( <sup>13</sup> C)	865-49-6 4227-95-6	≥90 ≤1.5
	<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	865-49-6	≥90
<b>Supplier notification</b>	<b>ID 1</b> ( <sup>2</sup> H)Chloroform Iodomethane ( <sup>13</sup> C)	865-49-6 4227-95-6	≥90 ≤1.5
	<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	865-49-6	≥90

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: CHLOROFORM
- New York** : The following components are listed: Chloroform; Methane, trichloro-
- New Jersey** : The following components are listed: CHLOROFORM; METHANE, TRICHLORO-
- Pennsylvania** : The following components are listed: METHANE, TRICHLORO-

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	Yes.	Yes.	20 µg/day (ingestion) 40 µg/day (inhalation)	No.
Iodomethane ( <sup>13</sup> C)	Yes.	No.	No.	No.
<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	Yes.	Yes.	20 µg/day (ingestion) 40 µg/day (inhalation)	No.
<b>Autotest, no salt</b> Methanol ( <sup>13</sup> C)	No.	Yes.	No.	23000 µg/day (ingestion) 47000 µg/day (inhalation)

**Canada inventory** : Not determined.

### International regulations

- International lists** :
- Australia inventory (AICS):** All components are listed or exempted.
  - China inventory (IECSC):** All components are listed or exempted.
  - Japan inventory (ENCS):** All components are listed or exempted.
  - Japan inventory (ISHL):** All components are listed or exempted.
  - Korea inventory:** Not determined.
  - Malaysia Inventory (EHS Register):** All components are listed or exempted.
  - New Zealand Inventory of Chemicals (NZIoC):** Not determined.
  - Philippines inventory (PICCS):** Not determined.

## Section 15. Regulatory information

**Taiwan Chemical Substances Inventory (TCSI):** All components are listed or exempted.

**Turkey inventory:** Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** :  listed

## Section 16. Other information

### History

**Date of issue** : 12/31/2015

**Date of previous issue** : 10/24/2013.

**Version** : 3

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.