

# SAFETY DATA SHEET



Sample Kit, 400MR, Part Number 191819300

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

This product is considered an article. This 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. (Kit)** : 191819300  
**Part No.** : ID 1 96812096  
2-Ethyl-1-Indanone in CDCl<sub>3</sub> 190185503  
Autotest, no salt 190185506

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

Identified uses	
Analytical chemistry.	
ID 1	860 µl
2-Ethyl-1-Indanone in CDCl <sub>3</sub>	860 µl
Autotest, no salt	860 µl

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

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## 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

**Product definition** : ID 1 Mixture (encapsulated in article)  
2-Ethyl-1-Indanone in CDCl<sub>3</sub> Mixture (encapsulated in article)  
Autotest, no salt Mixture (encapsulated in article)

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

**ID 1**  
H302 ACUTE TOXICITY (oral) - Category 4  
H331 ACUTE TOXICITY (inhalation) - Category 3  
H315 SKIN CORROSION/IRRITATION - Category 2  
H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
H351 CARCINOGENICITY - Category 2  
H361d TOXIC TO REPRODUCTION (Unborn child) - Category 2  
H372 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

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1/23

**SECTION 2: Hazards identification**

H304 ASPIRATION HAZARD - Category 1

**2-Ethyl-1-Indanone in CDCI3**

H302 ACUTE TOXICITY (oral) - Category 4  
 H331 ACUTE TOXICITY (inhalation) - Category 3  
 H315 SKIN CORROSION/IRRITATION - Category 2  
 H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
 H351 CARCINOGENICITY - Category 2  
 H361d TOXIC TO REPRODUCTION (Unborn child) - Category 2  
 H372 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1  
 H304 ASPIRATION HAZARD - Category 1

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

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

See Section 16 for the full text of the H statements declared above.  
 See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

**Hazard pictograms** : 

**Signal word** : ID 1 Danger  
 2-Ethyl-1-Indanone in Danger  
 CDCI3  
 Autotest, no salt No signal word.

**Hazard statements** : ID 1 **GHS06** - Toxic if inhaled.  
**GHS07** - Harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye irritation.  
**GHS08** - May be fatal if swallowed and enters airways.  
 Suspected of causing cancer.  
 Suspected of damaging the unborn child.  
 Causes damage to organs through prolonged or repeated exposure.

2-Ethyl-1-Indanone in **GHS06** -  
 CDCI3  
 Toxic if inhaled.  
**GHS07** - Harmful if swallowed.  
 Causes skin irritation.  
 Causes serious eye irritation.  
**GHS08** - May be fatal if swallowed and enters airways.  
 Suspected of causing cancer.  
 Suspected of damaging the unborn child.  
 Causes damage to organs through prolonged or repeated exposure.

Autotest, no salt No known significant effects or critical hazards.

**Precautionary statements**

**SECTION 2: Hazards identification**

<b>Prevention</b>	: ID 1	P201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P260 - Do not breathe vapour.
	2-Ethyl-1-Indanone in CDCl3	P201 - Obtain special instructions before use.
	Autotest, no salt	P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P260 - Do not breathe vapour. Not applicable.
<b>Response</b>	: ID 1	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
	2-Ethyl-1-Indanone in CDCl3	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
	Autotest, no salt	Not applicable.
<b>Storage</b>	: ID 1	P405 - Store locked up.
	2-Ethyl-1-Indanone in CDCl3	P405 - Store locked up.
	Autotest, no salt	Not applicable.
<b>Disposal</b>	: ID 1	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	2-Ethyl-1-Indanone in CDCl3	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Autotest, no salt	Not applicable.
<b>Hazardous ingredients</b>	: <b>ID 1</b>	
	(2H)Chloroform Iodomethane (13 C)	
	<b>2-Ethyl-1-Indanone in CDCl3</b> (2H)Chloroform	
<b>Supplemental label elements</b>	: ID 1	Not applicable.
	2-Ethyl-1-Indanone in CDCl3	Not applicable.
	Autotest, no salt	Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: ID 1	For use in industrial installations only.
	2-Ethyl-1-Indanone in CDCl3	For use in industrial installations only.
	Autotest, no salt	Not applicable.
<b><u>Special packaging requirements</u></b>		
<b>Tactile warning of danger</b>	: ID 1	Not applicable.
	2-Ethyl-1-Indanone in CDCl3	Not applicable.
	Autotest, no salt	Not applicable.
<b>2.3 Other hazards</b>		
<b>Other hazards which do not result in classification</b>	: ID 1	None known.
	2-Ethyl-1-Indanone in CDCl3	None known.
	Autotest, no salt	None known.

## 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.

**3.2 Mixtures** : ID 1 : Mixture (encapsulated in article)  
 2-Ethyl-1-Indanone in CDCI3 : Mixture (encapsulated in article)  
 Autotest, no salt : Mixture (encapsulated in article)

Product/ingredient name	Identifiers	%	Classification	Type
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	EC: 200-663-8 CAS: 865-49-6 Index: 602-006-00-4	≥90	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361d (Unborn child) STOT RE 1, H372	[1] [2]
Iodomethane ( <sup>13</sup> C)	EC: 200-819-5 CAS: 4227-95-6 Index: 602-005-00-9	≤1.5	Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 3, H331 Skin Irrit. 2, H315 Carc. 2, H351 STOT SE 3, H335	[1] [2]
Trimethyl phosphite	EC: 204-471-5 CAS: 121-45-9	≤1.5	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	[1] [2]
<b>2-Ethyl-1-Indanone in CDCI3</b> ( <sup>2</sup> H)Chloroform	EC: 200-663-8 CAS: 865-49-6 Index: 602-006-00-4	≥90	Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361d (Unborn child) STOT RE 1, H372  <b>See Section 16 for the full text of the H statements declared above.</b>	[1] [2]

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.

### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact** : 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 CDCI3 : 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.

**SECTION 4: First aid measures**

	Autotest, no salt	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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 CDCl3	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.
<b>Skin contact</b>	Autotest, no salt	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	: 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 CDCl3	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.
<b>Ingestion</b>	Autotest, no salt	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	: ID 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.
	2-Ethyl-1-Indanone in CDCl3	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

**SECTION 4: First aid measures**

Autotest, no salt	<p>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. Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
<b>Protection of first-aiders</b> : ID 1	<p>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.</p>
2-Ethyl-1-Indanone in CDCl3	<p>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.</p>
Autotest, no salt	<p>No action shall be taken involving any personal risk or without suitable training.</p>

**4.2 Most important symptoms and effects, both acute and delayed**

Potential acute health effects

<b>Eye contact</b>	: ID 1 2-Ethyl-1-Indanone in CDCl3 Autotest, no salt	<p>Causes serious eye irritation. Causes serious eye irritation. No known significant effects or critical hazards.</p>
<b>Inhalation</b>	: ID 1 2-Ethyl-1-Indanone in CDCl3 Autotest, no salt	<p>Toxic if inhaled. Toxic if inhaled. No known significant effects or critical hazards.</p>
<b>Skin contact</b>	: ID 1 2-Ethyl-1-Indanone in CDCl3 Autotest, no salt	<p>Causes skin irritation. Causes skin irritation. No known significant effects or critical hazards.</p>
<b>Ingestion</b>	: ID 1 2-Ethyl-1-Indanone in CDCl3 Autotest, no salt	<p>Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful if swallowed. May be fatal if swallowed and enters airways. No known significant effects or critical hazards.</p>

Over-exposure signs/symptoms

<b>Eye contact</b>	: ID 1  2-Ethyl-1-Indanone in CDCl3	<p>Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following:  pain or irritation watering redness</p>
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## SECTION 4: First aid measures

<b>Inhalation</b>	Autotest, no salt	No specific data.
	: ID 1	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  reduced foetal weight increase in foetal deaths skeletal malformations
<b>Skin contact</b>	Autotest, no salt	No specific data.
	: ID 1	Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
<b>Ingestion</b>	Autotest, no salt	No specific data.
	: ID 1	Adverse symptoms may include the following: nausea or vomiting reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  nausea or vomiting reduced foetal weight increase in foetal deaths skeletal malformations
	Autotest, no salt	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<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 5: Firefighting 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.

**SECTION 5: Firefighting measures**

<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.
<b>5.2 Special hazards arising from the substance or mixture</b>		
<b>Hazards from the substance or mixture</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 combustion products</b>	: ID 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.
<b>5.3 Advice for firefighters</b>		
<b>Special precautions 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 CDCl <sub>3</sub>	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.



## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	: ID 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. Do not breathe vapour 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. Do not breathe vapour 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. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: ID 1	If specialised 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".
	2-Ethyl-1-Indanone in CDCI3	If specialised 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 specialised 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".

### 6.2 Environmental precautions

: ID 1	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).
2-Ethyl-1-Indanone in CDCI3	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).

### 6.3 Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	: ID 1	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.
	2-Ethyl-1-Indanone in CDCI3	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 6: Accidental release measures**

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

**Protective measures** : ID 1

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 breathe vapour 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  
CDCI3

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 breathe vapour 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).

**Advice on general occupational hygiene** : ID 1

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.

2-Ethyl-1-Indanone in  
CDCI3

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.

Autotest, no salt

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.

**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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

2-Ethyl-1-Indanone in

Store in accordance with local regulations. Store in original

## SECTION 7: Handling and storage

CDCI3	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
Autotest, no salt	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. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
<b>ID 1</b> H2: Acute toxicity 2 any route of entry or Acute toxicity 3 Inhalation route of entry	50	200
<b>2-Ethyl-1-Indanone in CDCI3</b> H2: Acute toxicity 2 any route of entry or Acute toxicity 3 Inhalation route of entry	50	200

### 7.3 Specific end use(s)

<b>Recommendations</b>	: ID 1	Industrial applications, Professional applications.
	2-Ethyl-1-Indanone in CDCI3	Industrial applications, Professional applications.
	Autotest, no salt	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: ID 1	Not applicable.
	2-Ethyl-1-Indanone in CDCI3	Not applicable.
	Autotest, no salt	Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>ID 1</b> trichloromethane	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> TWA: 2 ppm 8 hours. TWA: 9.9 mg/m <sup>3</sup> 8 hours.
methyl iodide	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> TWA: 2 ppm 8 hours. TWA: 12 mg/m <sup>3</sup> 8 hours.
trimethyl phosphite	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 2 ppm 8 hours. TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>2-Ethyl-1-Indanone in CDCI3</b> trichloromethane	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin.</b> TWA: 2 ppm 8 hours.

**SECTION 8: Exposure controls/personal protection**TWA: 9.9 mg/m<sup>3</sup> 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

**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.

**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.

**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.

**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.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

<b>Physical state</b>	: ID 1	Liquid.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Liquid.
	Autotest, no salt	Liquid.
<b>Colour</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Colourless.
	Autotest, no salt	Not available.
<b>Odour</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Pleasant.-Sweet.
	Autotest, no salt	Not available.
<b>Odour threshold</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>pH</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Melting point/freezing point</b>	: ID 1	-64°C
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	-63°C
	Autotest, no salt	3.81°C
<b>Initial boiling point and boiling range</b>	: ID 1	60.9°C
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	60.5 to 61.5°C
	Autotest, no salt	101.1°C
<b>Flash point</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Evaporation rate</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Flammability (solid, gas)</b>	: ID 1	Not applicable.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not applicable.
	Autotest, no salt	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Vapour pressure</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	21.3 kPa [room temperature]
	Autotest, no salt	Not available.
<b>Vapour density</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	4.1 [Air = 1]
	Autotest, no salt	Not available.
<b>Relative density</b>	: ID 1	1500
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	1.492
	Autotest, no salt	1.1 [(D <sub>2</sub> O)]

**SECTION 9: Physical and chemical properties**

<b>Solubility(ies)</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.
<b>Explosive properties</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.
<b>Oxidising properties</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	Not available.

**9.2 Other information**

No additional information.

**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.

## SECTION 10: Stability and reactivity

**10.5 Incompatible materials** : ID 1  
 2-Ethyl-1-Indanone in CDCl<sub>3</sub>  
 Autotest, no salt

May react or be incompatible with oxidising materials.  
 May react or be incompatible with oxidising materials.  
 May react or be incompatible with oxidising materials.

**10.6 Hazardous decomposition products** : ID 1  
 2-Ethyl-1-Indanone in CDCl<sub>3</sub>  
 Autotest, no salt

Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 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 Vapour	Rat	47702 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	300 mg/kg	-
Iodomethane ( <sup>13</sup> C)	LC50 Inhalation Vapour	Rat	1300 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	76 mg/kg	-
	Trimethyl phosphite	LC50 Inhalation Vapour	Rat	182000 mg/m <sup>3</sup>
LD50 Dermal		Rabbit	2600 mg/kg	-
LD50 Oral		Rat	1350 mg/kg	-
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> ( <sup>2</sup> H)Chloroform	LC50 Inhalation Vapour	Rat	47702 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	300 mg/kg	-

#### Acute toxicity estimates

Route	ATE value
<b>ID 1</b> Oral Dermal Inhalation (vapours)	477.3 mg/kg 110000 mg/kg 3.036 mg/l
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></b> Oral Inhalation (vapours)	510.7 mg/kg 3.064 mg/l
<b>Autotest, no salt</b> Oral Dermal Inhalation (vapours)	100030 mg/kg 300090 mg/kg 3000.9 mg/l

#### Irritation/Corrosion

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

**SECTION 11: Toxicological information**

Trimethyl phosphite  <b>2-Ethyl-1-Indanone in CDCl3</b> ( <sup>2</sup> H)Chloroform	Skin - Mild irritant	Human	-	10 minutes 1 Grams	-
	Eyes - Mild irritant	Rabbit	-	0.1 Milliliters	-
	Skin - Severe irritant	Rabbit	-	500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

**Sensitiser**

**Conclusion/Summary** : Not available.

**Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity**

Not available.

**Specific target organ toxicity (single exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
<b>ID 1</b> Iodomethane ( <sup>13</sup> C)	Category 3	Not applicable.	Respiratory tract irritation
Trimethyl phosphite	Category 3	Not applicable.	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
<b>ID 1</b> ( <sup>2</sup> H)Chloroform	Category 1	Not determined	Not determined
<b>2-Ethyl-1-Indanone in CDCl3</b> ( <sup>2</sup> H)Chloroform	Category 1	Not determined	Not determined

**Aspiration hazard**

Product/ingredient name	Result
<b>ID 1</b> ID 1	ASPIRATION HAZARD - Category 1
<b>2-Ethyl-1-Indanone in CDCl3</b> 2-Ethyl-1-Indanone in CDCl3	ASPIRATION HAZARD - Category 1

**Information on likely routes of exposure**

: ID 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
2-Ethyl-1-Indanone in CDCl3	Routes of entry anticipated: Oral, Dermal, Inhalation.
Autotest, no salt	Routes of entry anticipated: Oral, Dermal, Inhalation.

**Potential acute health effects**

<b>Inhalation</b>	: ID 1	Toxic if inhaled.
	2-Ethyl-1-Indanone in CDCl3	Toxic if inhaled.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Ingestion</b>	: ID 1	Harmful if swallowed. May be fatal if swallowed and enters airways.
	2-Ethyl-1-Indanone in CDCl3	Harmful if swallowed. May be fatal if swallowed and enters airways.
	Autotest, no salt	No known significant effects or critical hazards.



**SECTION 11: Toxicological information**

<b>Skin contact</b>	: ID 1	Causes skin irritation.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Causes skin irritation.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Eye contact</b>	: ID 1	Causes serious eye irritation.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Causes serious eye irritation.
	Autotest, no salt	No known significant effects or critical hazards.

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

<b>Inhalation</b>	: ID 1	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  reduced foetal weight increase in foetal deaths skeletal malformations
	Autotest, no salt	No specific data.
<b>Ingestion</b>	: ID 1	Adverse symptoms may include the following: nausea or vomiting reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  nausea or vomiting reduced foetal weight increase in foetal deaths skeletal malformations
	Autotest, no salt	No specific data.
<b>Skin contact</b>	: ID 1	Adverse symptoms may include the following: irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Adverse symptoms may include the following:  irritation redness reduced foetal weight increase in foetal deaths skeletal malformations
	Autotest, no salt	No specific data.
<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.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

## SECTION 11: Toxicological information

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: ID 1	Causes damage to organs through prolonged or repeated exposure.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Causes damage to organs through prolonged or repeated exposure.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: ID 1	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: ID 1	No known significant effects or critical hazards.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No known significant effects or critical hazards.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: ID 1	Suspected of damaging the unborn child.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Suspected of damaging the unborn child.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Developmental effects</b>	: ID 1	No known significant effects or critical hazards.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No known significant effects or critical hazards.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Fertility effects</b>	: ID 1	No known significant effects or critical hazards.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	No known significant effects or critical hazards.
	Autotest, no salt	No known significant effects or critical hazards.
<b>Other information</b>	: ID 1	Not available.
	2-Ethyl-1-Indanone in CDCl <sub>3</sub>	Not available.
	Autotest, no salt	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	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Acute EC50 2.803 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute LC50 29000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 13300 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic EC10 3.61 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
Iodomethane ( <sup>13</sup> C)	Chronic NOEC 1.8 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Acute LC50 1.19 ppm Fresh water	Fish - Cyprinus carpio	96 hours
<b>2-Ethyl-1-Indanone in CDCl<sub>3</sub></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	Crustaceans - Cypris	48 hours

## SECTION 12: Ecological information

	Acute LC50 29000 µg/l Fresh water Acute LC50 13300 µg/l Fresh water Chronic EC10 3.61 mg/l Fresh water	subglobosa Daphnia - Daphnia magna Fish - Lepomis macrochirus Algae - Chlamydomonas reinhardtii - Exponential growth phase Daphnia - Daphnia magna	48 hours 96 hours 72 hours
	Chronic NOEC 1.8 mg/l Fresh water		21 days

### 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 CDCl<sub>3</sub></b>			
( <sup>2</sup> H)Chloroform	1.97	690	high

### 12.4 Mobility in soil

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

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised 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.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## 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

ADR/RID / IMDG / IATA : Not regulated.

Additional information : **Remarks**  
De minimis quantities

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

: ID 1	For use in industrial installations only.
2-Ethyl-1-Indanone in CDCI3	For use in industrial installations only.
Autotest, no salt	Not applicable.

#### Other EU regulations

Europe inventory : All components are listed or exempted.

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
ID 1 trichloromethane	Carc. 2, H351	-	Repr. 2, H361d (Unborn child)	-
methyl iodide	Carc. 2, H351	-	-	-
<b>2-Ethyl-1-Indanone in CDCI3</b> trichloromethane	Carc. 2, H351	-	Repr. 2, H361d (Unborn child)	-

#### Seveso Directive

This product is controlled under the Seveso Directive.

#### Danger criteria

##### Category

###### ID 1

H2: Acute toxicity 2 any route of entry or Acute toxicity 3 Inhalation route of entry

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

H2: Acute toxicity 2 any route of entry or Acute toxicity 3 Inhalation route of entry

#### National regulations

## SECTION 15: Regulatory information

### [International regulations](#)

#### [Chemical Weapon Convention List Schedules I, II & III Chemicals](#)

Ingredient name	List name	Status
<b>ID 1</b> Trimethyl phosphite	Schedule III	Listed

#### [Montreal Protocol \(Annexes A, B, C, E\)](#)

Not listed.

#### [Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

#### [Rotterdam Convention on Prior Inform Consent \(PIC\)](#)

Not listed.

#### [UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.


### [International lists](#)

#### [National inventory](#)

- Australia** : All components are listed or exempted.
- Canada** : Not determined.
- China** : All components are listed or exempted.
- Japan** : **Japan inventory (ENCS)**: All components are listed or exempted.  
**Japan inventory (ISHL)**: All components are listed or exempted.
- Malaysia** : All components are listed or exempted.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : All components are listed or exempted.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

#### [Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Classification	Justification
<b>ID 1</b> Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361d (Unborn child) STOT RE 1, H372 Asp. Tox. 1, H304	Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Expert judgment

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

**SECTION 16: Other information**

**2-Ethyl-1-Indanone in CDCI3**

Acute Tox. 4, H302  
 Acute Tox. 3, H331  
 Skin Irrit. 2, H315  
 Eye Irrit. 2, H319  
 Carc. 2, H351  
 Repr. 2, H361d (Unborn child)  
 STOT RE 1, H372  
 Asp. Tox. 1, H304

Calculation method  
 Calculation method  
 Calculation method  
 Calculation method  
 Calculation method  
 Calculation method  
 Calculation method  
 Expert judgment

**Full text of abbreviated H statements**

**: ID 1**

H226  
 H301  
 H302  
 H304  
 H312  
 H315  
 H318  
 H319  
 H331  
 H335  
 H351  
 H361d (Unborn child)  
 H372

Flammable liquid and vapour.  
 Toxic if swallowed.  
 Harmful if swallowed.  
 May be fatal if swallowed and enters airways.  
 Harmful in contact with skin.  
 Causes skin irritation.  
 Causes serious eye damage.  
 Causes serious eye irritation.  
 Toxic if inhaled.  
 May cause respiratory irritation.  
 Suspected of causing cancer.  
 Suspected of damaging the unborn child.  
 Causes damage to organs through prolonged or repeated exposure.

**2-Ethyl-1-Indanone in CDCI3**

H302  
 H304  
 H315  
 H319  
 H331  
 H351  
 H361d (Unborn child)  
 H372

Harmful if swallowed.  
 May be fatal if swallowed and enters airways.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 Toxic if inhaled.  
 Suspected of causing cancer.  
 Suspected of damaging the unborn child.  
 Causes damage to organs through prolonged or repeated exposure.

**Full text of classifications [CLP/GHS]**

**: ID 1**

Acute Tox. 3, H301  
 Acute Tox. 3, H331  
 Acute Tox. 4, H302  
 Acute Tox. 4, H312  
 Asp. Tox. 1, H304  
 Carc. 2, H351  
 Eye Dam. 1, H318  
 Eye Irrit. 2, H319  
 Flam. Liq. 3, H226  
 Repr. 2, H361d (Unborn child)  
 Skin Irrit. 2, H315  
 STOT RE 1, H372  
  
 STOT SE 3, H335

ACUTE TOXICITY (oral) - Category 3  
 ACUTE TOXICITY (inhalation) - Category 3  
 ACUTE TOXICITY (oral) - Category 4  
 ACUTE TOXICITY (dermal) - Category 4  
 ASPIRATION HAZARD - Category 1  
 CARCINOGENICITY - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
 FLAMMABLE LIQUIDS - Category 3  
 TOXIC TO REPRODUCTION (Unborn child) - Category 2  
  
 SKIN CORROSION/IRRITATION - Category 2  
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**2-Ethyl-1-Indanone in CDCI3**

Acute Tox. 3, H331  
 Acute Tox. 4, H302  
 Asp. Tox. 1, H304  
 Carc. 2, H351  
 Eye Irrit. 2, H319  
 Repr. 2, H361d (Unborn child)

ACUTE TOXICITY (inhalation) - Category 3  
 ACUTE TOXICITY (oral) - Category 4  
 ASPIRATION HAZARD - Category 1  
 CARCINOGENICITY - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2  
 TOXIC TO REPRODUCTION (Unborn child) - Category 2

**SECTION 16: Other information**

Skin Irrit. 2, H315  
STOT RE 1, H372

SKIN CORROSION/IRRITATION - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED  
EXPOSURE) - Category 1

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**Version** : 1

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