

SAFETY DATA SHEET



Operator Training Samples for FID Instruments, Part Number 18801-60700

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

1.1 Product identifier

Product name : Operator Training Samples for FID Instruments, Part Number 18801-60700
Part no. (chemical kit) : 18801-60700
Part no. : Flame Ionization 18801-60700A
Detector Sample A
Flame Ionization 18801-60700B
Detector Sample B

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use
 Flame Ionization Detector Sample A 1 x 0.5 ml
Flame Ionization Detector Sample B 1 x 0.5 ml

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

2.1 Classification of the substance or mixture

Product definition : Flame Ionization Mixture
Detector Sample A
Flame Ionization Mixture
Detector Sample B

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

Flame Ionization Detector

Sample A

H225 FLAMMABLE LIQUIDS - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

Flame Ionization Detector

Sample B

H225 FLAMMABLE LIQUIDS - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3





See Section 16 for the full text of the H statements declared above.

Date of issue/Date of revision : 09/05/2018

SECTION 2: Hazards identification

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	: Flame Ionization Detector Sample A	 
	Flame Ionization Detector Sample B	 
Signal word	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Danger Danger
Hazard statements	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.
Precautionary statements		
Prevention	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Storage	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	P405 - Store locked up. P405 - Store locked up.
Disposal	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	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.
Hazardous ingredients	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	- acetone - acetone
Supplemental label elements	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not applicable. Not applicable.

Operator Training Samples for FID Instruments, Part Number 18801-60700

SECTION 2: Hazards identification

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Flame Ionization Detector Sample A Not applicable.
 Flame Ionization Detector Sample B Not applicable.

Special packaging requirements

Tactile warning of danger : Flame Ionization Detector Sample A Not applicable.
 Flame Ionization Detector Sample B Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : Flame Ionization Detector Sample A None known.
 Flame Ionization Detector Sample B None known.

SECTION 3: Composition/information on ingredients

3.1 Substances : Flame Ionization Detector Sample A Mixture
 Flame Ionization Detector Sample B Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Flame Ionization Detector Sample A				
Acetone	EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8	≥90	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
m-Cresol	EC: 203-577-9 CAS: 108-39-4 Index: 604-004-00-9	≤0.3	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314	[1] [2]
Toluene	EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d (Unborn child) STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304	[1] [2]
Flame Ionization Detector Sample B				
Acetone	EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8	≥90	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
Toluene	EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d (Unborn child) STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

SECTION 3: Composition/information on ingredients

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
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Flame Ionization Detector Sample A	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.
	Flame Ionization Detector Sample B	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.
Inhalation	: Flame Ionization Detector Sample A	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.
	Flame Ionization Detector Sample B	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.
Skin contact	: Flame Ionization Detector Sample A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Flame Ionization Detector Sample B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Flame Ionization Detector Sample A	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

SECTION 4: First aid measures

Flame Ionization
Detector Sample B

lungs. Get medical attention. If necessary, call a poison center or physician. 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 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. If necessary, call a poison center or physician. 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.

Protection of first-aiders : Flame Ionization
Detector Sample A

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.

Flame Ionization
Detector Sample B

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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact : Flame Ionization
Detector Sample A
Flame Ionization
Detector Sample B

Causes serious eye irritation.

Causes serious eye irritation.

Inhalation : Flame Ionization
Detector Sample A
Flame Ionization
Detector Sample B

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

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

Skin contact : Flame Ionization
Detector Sample A
Flame Ionization
Detector Sample B

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Ingestion : Flame Ionization
Detector Sample A
Flame Ionization
Detector Sample B

Can cause central nervous system (CNS) depression.

Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

Eye contact : Flame Ionization
Detector Sample A

Adverse symptoms may include the following:

- pain or irritation
- watering
- redness

Flame Ionization
Detector Sample B

Adverse symptoms may include the following:

SECTION 4: First aid measures

		pain or irritation watering redness
Inhalation	: Flame Ionization Detector Sample A	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	Flame Ionization Detector Sample B	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Flame Ionization Detector Sample A	No specific data.
	Flame Ionization Detector Sample B	No specific data.
Ingestion	: Flame Ionization Detector Sample A	No specific data.
	Flame Ionization Detector Sample B	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Flame Ionization Detector Sample A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Flame Ionization Detector Sample B	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Flame Ionization Detector Sample A	No specific treatment.
	Flame Ionization Detector Sample B	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Flame Ionization Detector Sample A	Use dry chemical, CO ₂ , water spray (fog) or foam.
	Flame Ionization Detector Sample B	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Flame Ionization Detector Sample A	Do not use water jet.
	Flame Ionization Detector Sample B	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: Flame Ionization Detector Sample A	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
	Flame Ionization Detector Sample B	Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst,

SECTION 5: Firefighting measures

Hazardous combustion products

: Flame Ionization
Detector Sample A

with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

Flame Ionization
Detector Sample B

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special precautions for fire-fighters

: Flame Ionization
Detector Sample A

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Flame Ionization
Detector Sample B

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.

Special protective equipment for fire-fighters

: Flame Ionization
Detector Sample A

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.

Flame Ionization
Detector Sample B

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Flame Ionization
Detector Sample A

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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Flame Ionization
Detector Sample B

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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SECTION 6: Accidental release measures

For emergency responders

: Flame Ionization
Detector Sample A

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".

Flame Ionization
Detector Sample B

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

: Flame Ionization
Detector Sample A

Avoid dispersal of spilt 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).

Flame Ionization
Detector Sample B

Avoid dispersal of spilt 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

Methods for cleaning up

: Flame Ionization
Detector Sample A

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.

Flame Ionization
Detector Sample B

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.

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

: Flame Ionization
Detector Sample A

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Flame Ionization
Detector Sample B

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the

SECTION 7: Handling and storage

Advice on general occupational hygiene

: Flame Ionization Detector Sample A

original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Flame Ionization Detector Sample B

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: Flame Ionization Detector Sample A

Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use.

Flame Ionization Detector Sample B

Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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. See Section 10 for incompatible materials before handling or use.

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
Flame Ionization Detector Sample A P5c	5000	50000
Flame Ionization Detector Sample B P5c	5000	50000

7.3 Specific end use(s)

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SECTION 7: Handling and storage

Recommendations	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not applicable. Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Flame Ionization Detector Sample A Acetone m-Cresol Toluene	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 3620 mg/m ³ 15 minutes. STEL: 1500 ppm 15 minutes. TWA: 500 ppm 8 hours. TWA: 1210 mg/m ³ 8 hours. EU OEL (Europe, 12/2017). Notes: list of indicative occupational exposure limit values TWA: 5 ppm 8 hours. TWA: 22 mg/m ³ 8 hours. EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 384 mg/m ³ 15 minutes. TWA: 191 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.
Flame Ionization Detector Sample B Acetone Toluene	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 3620 mg/m ³ 15 minutes. STEL: 1500 ppm 15 minutes. TWA: 500 ppm 8 hours. TWA: 1210 mg/m ³ 8 hours. EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 384 mg/m ³ 15 minutes. TWA: 191 mg/m ³ 8 hours. TWA: 50 ppm 8 hours. STEL: 100 ppm 15 minutes.

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.

SECTION 8: Exposure controls/personal protection

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. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

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

Physical state	: Flame Ionization Detector Sample A	Liquid.
	Flame Ionization Detector Sample B	Liquid.
Colour	: Flame Ionization Detector Sample A	Not available.
	Flame Ionization Detector Sample B	Not available.

SECTION 9: Physical and chemical properties

Odour	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Odour threshold	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
pH	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Melting point/freezing point	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	-95°C -95°C
Initial boiling point and boiling range	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	56°C 56°C
Flash point	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Closed cup: -18°C Closed cup: -18°C
Evaporation rate	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Flammability (solid, gas)	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not applicable. Not applicable.
Upper/lower flammability or explosive limits	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Lower: 2.2% Upper: 13% Lower: 2.2% Upper: 13%
Vapour pressure	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	24 kPa [room temperature] 24 kPa [room temperature]
Vapour density	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	2 [Air = 1] 2 [Air = 1]
Relative density	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Solubility(ies)	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.

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SECTION 9: Physical and chemical properties

Partition coefficient: n-octanol/water	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Auto-ignition temperature	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Decomposition temperature	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Viscosity	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Explosive properties	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.
Oxidising properties	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Not available. Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas. Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

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SECTION 10: Stability and reactivity

10.5 Incompatible materials : Flame Ionization Detector Sample A Reactive or incompatible with the following materials:
oxidizing materials

Flame Ionization Detector Sample B Reactive or incompatible with the following materials:
oxidizing materials

10.6 Hazardous decomposition products : Flame Ionization Detector Sample A Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Flame Ionization Detector Sample B 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
Flame Ionization Detector Sample A				
Acetone	LC50 Inhalation Vapour	Rat	76 mg/l	4 hours
	LD50 Oral	Rat	5800 mg/kg	-
m-Cresol	LD50 Dermal	Rabbit	620 mg/kg	-
	LD50 Dermal	Rat	1000 mg/kg	-
	LD50 Oral	Rat	242 mg/kg	-
Toluene	LC50 Inhalation Vapour	Rat	49 g/m ³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Flame Ionization Detector Sample B				
Acetone	LC50 Inhalation Vapour	Rat	76 mg/l	4 hours
	LD50 Oral	Rat	5800 mg/kg	-
Toluene	LC50 Inhalation Vapour	Rat	49 g/m ³	4 hours
	LD50 Oral	Rat	636 mg/kg	-

Acute toxicity estimates

Route	ATE value
Flame Ionization Detector Sample A	
Oral	116122.8 mg/kg
Dermal	297504.8 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Flame Ionization Detector Sample A					
Acetone	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
Toluene	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 milligrams	-
	Eyes - Mild irritant	Rabbit	-	870 Micrograms	-
	Skin - Mild irritant	Rabbit	-	435 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-

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Flame Ionization Detector Sample B Acetone	Skin - Moderate irritant	Rabbit	-	milligrams 500 milligrams	-
	Eyes - Mild irritant Eyes - Moderate irritant	Rabbit Rabbit	- -	10 microliters 24 hours 20 milligrams	- -
Toluene	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 milligrams	-
	Eyes - Mild irritant	Rabbit	-	870 Micrograms	-
	Skin - Mild irritant	Rabbit	-	435 milligrams	-
	Skin - Moderate irritant Skin - Moderate irritant	Rabbit Rabbit	- -	24 hours 20 milligrams 500 milligrams	- -

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Flame Ionization Detector Sample A Acetone Toluene	Category 3 Category 3	Not applicable. Not applicable.	Narcotic effects Narcotic effects
Flame Ionization Detector Sample B Acetone Toluene	Category 3 Category 3	Not applicable. Not applicable.	Narcotic effects Narcotic effects


Specific target organ toxicity (repeated exposure)


Product/ingredient name	Category	Route of exposure	Target organs
Flame Ionization Detector Sample A Toluene	Category 2	Not determined	Not determined
Flame Ionization Detector Sample B Toluene	Category 2	Not determined	Not determined

Aspiration hazard


SECTION 11: Toxicological information


Product/ingredient name	Result
Flame Ionization Detector Sample A Toluene	ASPIRATION HAZARD - Category 1
Flame Ionization Detector Sample B Toluene	ASPIRATION HAZARD - Category 1


Information on likely routes of exposure :  Flame Ionization Detector Sample A
 Routes of entry anticipated: Oral, Dermal, Inhalation.


 Flame Ionization Detector Sample B
 Routes of entry anticipated: Oral, Dermal, Inhalation.


Potential acute health effects


Inhalation :  Flame Ionization Detector Sample A
 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.


 Flame Ionization Detector Sample B
 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.


Ingestion :  Flame Ionization Detector Sample A
 Can cause central nervous system (CNS) depression.

 Flame Ionization Detector Sample B
 Can cause central nervous system (CNS) depression.


Skin contact :  Flame Ionization Detector Sample A
 No known significant effects or critical hazards.


 Flame Ionization Detector Sample B
 No known significant effects or critical hazards.


Eye contact :  Flame Ionization Detector Sample A
 Causes serious eye irritation.


 Flame Ionization Detector Sample B
 Causes serious eye irritation.


Symptoms related to the physical, chemical and toxicological characteristics


Inhalation :  Flame Ionization Detector Sample A
 Adverse symptoms may include the following:
 nausea or vomiting
 headache
 drowsiness/fatigue
 dizziness/vertigo
 unconsciousness


 Flame Ionization Detector Sample B
 Adverse symptoms may include the following:
 nausea or vomiting
 headache
 drowsiness/fatigue
 dizziness/vertigo
 unconsciousness


Ingestion :  Flame Ionization Detector Sample A
 No specific data.

 Flame Ionization Detector Sample B
 No specific data.

Skin contact :  Flame Ionization Detector Sample A
 No specific data.

 Flame Ionization Detector Sample B
 No specific data.

Eye contact :  Flame Ionization Detector Sample A
 Adverse symptoms may include the following:
 pain or irritation
 watering
 redness

 Flame Ionization Detector Sample B
 Adverse symptoms may include the following:
 pain or irritation

SECTION 11: Toxicological information

watering
redness

Delayed and immediate effects as well as 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.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	No known significant effects or critical hazards. No known significant effects or critical hazards.
Other information	: Flame Ionization Detector Sample A Flame Ionization Detector Sample B	Adverse symptoms may include the following: altered blood counts. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Adverse symptoms may include the following: altered blood counts. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

SECTION 12: Ecological information

12.1 Toxicity

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SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
Flame Ionization Detector Sample A			
Acetone m-Cresol Toluene	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Acute LC50 18800 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 3.88 ppm Fresh water	Fish - Oncorhynchus mykiss - Fry	96 hours
	Acute EC50 433 ppm Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours	
Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours	
Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours	
Chronic NOEC 0.74 mg/l	Daphnia - Ceriodaphnia dubia	7 days	
Flame Ionization Detector Sample B			
Acetone Toluene	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Acute EC50 433 ppm Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours	
Chronic NOEC 0.74 mg/l	Daphnia - Ceriodaphnia dubia	7 days	

12.2 Persistence and degradability

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SECTION 12: Ecological information

Product/ingredient name	Test	Result	Dose	Inoculum
Flame Ionization Detector Sample A Acetone	OECD 301B Ready Biodegradability - CO2 Evolution Test	95 % - Readily - 28 days	-	-
m-Cresol	301D Ready Biodegradability - Closed Bottle Test	>90 % - 28 days	-	-
Flame Ionization Detector Sample B Acetone	OECD 301B Ready Biodegradability - CO2 Evolution Test	95 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Flame Ionization Detector Sample A Acetone	-	-	Readily
m-Cresol	-	-	Readily
Toluene	-	-	Readily
Flame Ionization Detector Sample B Acetone	-	-	Readily
Toluene	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Flame Ionization Detector Sample A Acetone	-0.23	3	low
m-Cresol	1.96	17 to 20	low
Toluene	2.73	90	low
Flame Ionization Detector Sample B Acetone	-0.23	3	low
Toluene	2.73	90	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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SECTION 12: Ecological information

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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport 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 : Flame Ionization Detector Sample A Not applicable.
Flame Ionization Detector Sample B Not applicable.

Other EU regulations

Date of issue/Date of revision : 09/05/2018

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SECTION 15: Regulatory information

Industrial emissions (integrated pollution prevention and control) - Air : Listed

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

Flame Ionization Detector Sample A
P5c

Flame Ionization Detector Sample B
P5c

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: 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	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

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SECTION 15: Regulatory information

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
Flame Ionization Detector Sample A Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	On basis of test data Calculation method Calculation method
Flame Ionization Detector Sample B Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	On basis of test data Calculation method Calculation method

Full text of abbreviated H statements

Flame Ionization Detector Sample A H225 H301 H304 H311 H314 H315 H319 H336 H361d H373	Highly flammable liquid and vapour. Toxic if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.
Flame Ionization Detector Sample B H225 H304 H315 H319 H336 H361d H373	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

Full text of classifications [CLP/GHS]

Flame Ionization Detector Sample A Acute Tox. 3, H301 Acute Tox. 3, H311 Asp. Tox. 1, H304 EUH066 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Repr. 2, H361d Skin Corr. 1B, H314 Skin Irrit. 2, H315	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking. SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 REPRODUCTIVE TOXICITY (Unborn child) - Category 2 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 2
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Date of issue/Date of revision : 09/05/2018

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SECTION 16: Other information

STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3, H336	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
Flame Ionization Detector Sample B	
Asp. Tox. 1, H304	ASPIRATION HAZARD - Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
Repr. 2, H361d	REPRODUCTIVE TOXICITY (Unborn child) - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3, H336	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

Date of issue/ Date of revision : 09/05/2018

Date of previous issue : 28/04/2016

Version : 2

Notice to reader

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