SAFETY DATA SHEET



1/25

GC - MS Multi-Component Checkout Sample, Part Number 5185-5840

Section 1. Identification

Product identifier	: GC - MS Multi-Component Checkout Samp	ole, Part Number 5185-5840
Part no. (chemical kit)	: 5185-5840	
Part no.	 Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul 	8500-5440-1 8500-5441-1 05970-60045-1
Relevant identified uses o	<u>f the substance or mixture and uses advised a</u>	<u>gainst</u>
Identified uses	: Reagents and Standards for Analytical Che	mistry Laboratory Use
	Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul	1 x 1 ml 2 x 1 ml 1 x 1 ml
Supplier/Manufacturer	: Agilent Technologies, Inc. 5301 Stevens Creek Blvd Santa Clara, CA 95051, USA 800-227-9770	
Emergency telephone number (with hours of operation)	: CHEMTREC®: 1-800-424-9300	

Section 2. Hazard identification

Classification of the substance or mixture

Benzophenone in isooctane	,
100 pg/µl	
H225	FLAMMABLE LIQUIDS - Category 2
H315	SKIN IRRITATION - Category 2
H336	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
H304	ASPIRATION HAZARD - Category 1
H400	AQUATIC HAZARD (ACUTE) - Category 1
H410	AQUATIC HAZARD (LONG-TERM) - Category 1
	Acontro HAZAND (Lorve FERM) Outogory F
OFN in Isooctane, 1 pg/µl	
H225	FLAMMABLE LIQUIDS - Category 2
H315	SKIN IRRITATION - Category 2
H336	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
	Category 3
H304	ASPIRATION HAZARD - Category 1
H400	AQUATIC HAZARD (ACUTE) - Category 1
H410	AQUATIC HAZARD (LONG-TERM) - Category 1
GC/MS Checkout Sample,	
10 ng/ul	
H225	FLAMMABLE LIQUIDS - Category 2
H315	SKIN IRRITATION - Category 2
H336	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -
1000	Category 3
H304	ASPIRATION HAZARD - Category 1
H400	AQUATIC HAZARD (ACUTE) - Category 1
H410	AQUATIC HAZARD (LONG-TERM) - Category 1
	ACONTO HALAND (LONG-TENNI) - Calegory T

Section 2. Hazard identification

GHS label elements Hazard pictograms	: Benzophenone in isooctane,	\land \land \land \land
	100 pg/µl	
	OFN in Isooctane, 1 pg/µl	
	GC/MS Checkout Sample, 10 ng/ul	
Signal word	: Benzophenone in isooctane, 100 pg/µl	Danger
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Danger Danger
Hazard statements	: Benzophenone in isooctane, 100 pg/µl	H225 - Highly flammable liquid and vapor.
		 H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting effects.
	OFN in Isooctane, 1 pg/µl	 H225 - Highly flammable liquid and vapor. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting effects.
	GC/MS Checkout Sample, 10 ng/ul	H225 - Highly flammable liquid and vapor.
		 H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting
Precautionary statements		effects.
Prevention	: Benzophenone in isooctane, 100 pg/µl	P280 - Wear protective gloves.
		 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapor. P264 - Wash thoroughly after handling.
	OFN in Isooctane, 1 pg/µl	 P280 - Wear protective gloves. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapor.
	GC/MS Checkout Sample, 10 ng/ul	P264 - Wash thoroughly after handling. P280 - Wear protective gloves.
Date of issue/Date of revision	: 04/22/2024 Date of previous is	ssue : 07/15/2021 Version : 8 2/25

Section 2. Hazard identification

		 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapor. P264 - Wash thoroughly after handling.
Response	: Benzophenone in isooctane,	P391 - Collect spillage.
	100 pg/μl	 P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water.
	OFN in Isooctane, 1 pg/µl	 P391 - Collect spillage. P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water.
	GC/MS Checkout Sample, 10 ng/ul	P391 - Collect spillage.
		 P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P301 + P310, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water.
Storage	: Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample,	 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P233 - Store in a well-ventilated place. Keep
	10 ng/ul	container tightly closed.
Disposal	: Benzophenone in isooctane, 100 pg/µl	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	OFN in Isooctane, 1 pg/µl	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	GC/MS Checkout Sample, 10 ng/ul	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	None known. None known. None known.

Section 2. Hazard identification

Other hazards which do not result in classification	:	Benzophenone in isooctane, 100 pg/µl	None known.
		OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	None known. None known.

Section 3. Composition/information on ingredients

100 OF GC	nzophenone in isooctane,) pg/µl N in Isooctane, 1 pg/µl /MS Checkout Sample, ng/ul	Mixture Mixture Mixture		
Ingredient name	Synonyms		% (w/w)	CAS number
Benzophenone in isooctane, 100 pg/μl				
2,2,4-trimethylpentane	Isooctane		≥80	540-84-1
OFN in Isooctane, 1 pg/μΙ				
2,2,4-trimethylpentane	Isooctane		≥80	540-84-1
GC/MS Checkout Sample, 10 ng/ul				
2,2,4-trimethylpentane	Isooctane		≥80	540-84-1

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

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

Section 4. First-aid measures

Description of necessary firs	t aid measures	
Eye contact	: Benzophenone in isooctane, 100 pg/µl	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.
	OFN in Isooctane, 1 pg/µl	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.
	GC/MS Checkout Sample, 10 ng/ul	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	: Benzophenone in isooctane, 100 pg/μΙ	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-

	OFN in Isooctane, 1 pg/μl	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. 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.
	GC/MS Checkout Sample, 10 ng/ul	medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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 :	Benzophenone in isooctane, 100 pg/µl	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
	OFN in Isooctane, 1 pg/µl	before reuse. 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.
	GC/MS Checkout Sample, 10 ng/ul	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.
Ingestion :	Benzophenone in isooctane, 100 pg/μl	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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. OFN in Isooctane, 1 pg/µl Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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. GC/MS Checkout Sample, Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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.

Most important symptoms/effects, acute and delayed

10 ng/ul

Potential acute health effects		
Eye contact	: Benzophenone in isooctane, 100 pg/μl	No known significant effects or critical hazards.
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: Βenzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
	GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: Benzophenone in isooctane, 100 pg/µl	Causes skin irritation.
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Causes skin irritation. Causes skin irritation.
Ingestion	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
	GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
Over expective signs/sympto	me	

Over-exposure signs/symptoms

6/25

Eye contact	Benzonbenone in isooctane	Adverse symptoms may include the following:
Eye contact	100 pg/µl	Adverse symptoms may include the following.
		pain or irritation
		watering
		redness
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following:
		pain or irritation
		watering
	CC/MS Chaskaut Sample	redness
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
		pain or irritation
		watering redness
luck a lation		
Inhalation	: ₿enzophenone in isooctane, 100 pg/µl	
		nausea or vomiting
		headache drowsiness/fatigue
		dizziness/vertigo
		unconsciousness
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following:
		nausea or vomiting
		headache
		drowsiness/fatigue
		dizziness/vertigo
	GC/MS Checkout Sample,	unconsciousness Adverse symptoms may include the following:
	10 ng/ul	Adverse symptoms may monute the following.
		nausea or vomiting
		headache
		drowsiness/fatigue
		dizziness/vertigo unconsciousness
Chin contract	. Denzenhenene in issestere	
Skin contact	: Benzophenone in isooctane, 100 pg/µl	Adverse symptoms may include the following:
	100 βg/μι	irritation
		redness
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following:
		irritation
		redness
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
		irritation
		redness
Ingestion	: Benzophenone in isooctane, 100 pg/µl	
		nausea or vomiting
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following:
	GC/MS Checkout Sample,	nausea or vomiting Adverse symptoms may include the following:
	10 ng/ul	
		nausea or vomiting
		5

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

Notes to physician	: Benzophenone in isooctane, 100 pg/µl Treat symptomatically. Contact poison treatmer specialist immediately if large quantities have be ingested or inhaled.	
	OFN in Isooctane, 1 pg/µl Treat symptomatically. Contact poison treatmer specialist immediately if large quantities have be ingested or inhaled.	
	GC/MS Checkout Sample, 10 ng/ul Treat symptomatically. Contact poison treatmer specialist immediately if large quantities have be ingested or inhaled.	
Specific treatments	 Benzophenone in isooctane, No specific treatment. 100 pg/μl 	
	OFN in Isooctane, 1 pg/µl No specific treatment. GC/MS Checkout Sample, No specific treatment. 10 ng/ul	
Protection of first-aiders	: Benzophenone in isooctane, 100 pg/µl No action shall be taken involving any personal i or without suitable training. If it is suspected tha fumes are still present, the rescuer should wear appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation	it an
	OFN in Isooctane, 1 pg/µl No action shall be taken involving any personal or without suitable training. If it is suspected tha fumes are still present, the rescuer should wear appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	it an
	GC/MS Checkout Sample, 10 ng/ul No action shall be taken involving any personal i or without suitable training. If it is suspected tha fumes are still present, the rescuer should wear appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation	risk lt an

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media		
Suitable extinguishing media	: Benzophenone in isooctane, 100 pg/µl	Use dry chemical, CO_2 , water spray (fog) or foam.
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Use dry chemical, CO ₂ , water spray (fog) or foam. Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Benzophenone in isooctane, 100 pg/µl	Do not use water jet.
	OFN in Isooctane, 1 pg/µl	Do not use water jet.
	GC/MS Checkout Sample, 10 ng/ul	Do not use water jet.
Specific hazards arising from the chemical	: Benzophenone in isooctane, 100 pg/µl	Highly flammable liquid and vapor. 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 vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting

Section 5. Fire-fighting measures

•		5		
		OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul	effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Highly flammable liquid and vapor. 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 vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Highly flammable liquid and vapor. 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 vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This	
			material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
Hazardous thermal decomposition products	:	Benzophenone in isooctane, 100 pg/µl	Decomposition products may include the following materials: carbon dioxide carbon monoxide	
		OFN in Isooctane, 1 pg/µl	Decomposition products may include the following materials: carbon dioxide	
		GC/MS Checkout Sample, 10 ng/ul	carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide	
Special protective actions for fire-fighters	:	Benzophenone in isooctane, 100 pg/µl	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	
		OFN in Isooctane, 1 pg/µl	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	
		GC/MS Checkout Sample, 10 ng/ul	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.	

9/25

Section 5. Fire-fighting measures

	-	
Special protective equipment for fire-fighters	: Benzophenone in isooctane, 100 pg/µl	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	OFN in Isooctane, 1 pg/μl	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	GC/MS Checkout Sample, 10 ng/ul	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel	: Benzophenone in isooctane, 100 pg/μl			
	OFN in Isooctane, 1 pg/μl	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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.		
	GC/MS Checkout Sample, 10 ng/ul	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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.		
For emergency responders	: Benzophenone in isooctane, 100 pg/µl	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".		

Section 6. Accidental release measures

Environmental precautions	: Benzophenone in isooctane, 100 pg/µl	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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	OFN in Isooctane, 1 pg/µl	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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	GC/MS Checkout Sample, 10 ng/ul	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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and materials for co	ontainment and cleaning up	
Methods for cleaning up	: Benzophenone in isooctane, 100 pg/μΙ	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.
	OFN in Isooctane, 1 pg/µl	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.
	GC/MS Checkout Sample, 10 ng/ul	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.

Section 7. Handling and storage

Precautions for safe handling	<u>ng</u>	
Protective measures	: Benzophenone in isooctane, 100 pg/μl	Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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

Section 7. Handling and storage

OFN in Isooctane, 1 pg/μl	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. Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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 hazardaua. Do pat rause optioner
GC/MS Checkout Sample, 10 ng/ul	hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. 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.
Benzophenone in isooctane, 100 pg/µl	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.
OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul	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
	GC/MS Checkout Sample, 10 ng/ul Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl

12/25

Section 7. Handling and storage

	additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities Incompatibilities Incompatibilities	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
OFN in Isooctane, 1 pg/μl	closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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
GC/MS Checkout Sample, 10 ng/ul	unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name			Exposure limits			
Benzophenone in isooctane, 1 (2,2,4-trimethylpentane	00 pg/µl		CA Alberta Provin [Octane] OEL: 300 ppm 8 h OEL: 1400 mg/m ³ CA British Columi 6/2023). [Octane, a TWA: 300 ppm 8 CA Ontario Provin [Octane, all isome	nours. 8 hours. bia Provincial all isomers] hours. Icial (Canada	l (Canad	da,
Date of issue/Date of revision	: 04/22/2024	Date of previous issue	: 07/15/2021	Version	:8	13/25

Section 8. Exposure controls/personal protection

	TWA: 300 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Octane] STEL: 375 ppm 15 minutes. TWA: 300 ppm 8 hours.
OFN in Isooctane, 1 pg/μl	
2,2,4-trimethylpentane	CA Alberta Provincial (Canada, 6/2018).
	[Octane]
	OEL: 300 ppm 8 hours.
	OEL: 1400 mg/m ³ 8 hours.
	CA British Columbia Provincial (Canada,
	6/2023). [Octane, all isomers]
	TWA: 300 ppm 8 hours.
	CA Ontario Provincial (Canada, 6/2019).
	[Octane, all isomers]
	TWA: 300 ppm 8 hours.
	CA Saskatchewan Provincial (Canada,
	7/2013). [Octane]
	STEL: 375 ppm 15 minutes. TWA: 300 ppm 8 hours.
	TWA. 500 ppm 6 hours.
GC/MS Checkout Sample, 10 ng/ul	
2,2,4-trimethylpentane	CA Alberta Provincial (Canada, 6/2018).
	[Octane]
	OEL: 300 ppm 8 hours.
	OEL: 1400 mg/m ³ 8 hours.
	CA British Columbia Provincial (Canada,
	6/2023). [Octane, all isomers]
	TWA: 300 ppm 8 hours.
	CA Ontario Provincial (Canada, 6/2019).
	[Octane, all isomers]
	TWA: 300 ppm 8 hours.
	CA Saskatchewan Provincial (Canada,
	7/2013). [Octane]
	STEL: 375 ppm 15 minutes.
	TWA: 300 ppm 8 hours.

Biological exposure indices

No exposure indices known.

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 cor also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.	
Environmental exposure controls Individual protection measur	Emissions from ventilation or work process equipment should be checked to enthey comply with the requirements of environmental protection legislation. In scases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, b eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clot Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	hing.
Date of issue/Date of revision	: 04/22/2024 Date of previous issue : 07/15/2021 Version : 8	14/25

Section 8. Exposure controls/personal protection

•	• •
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.
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.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance		
Physical state	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Liquid.
Color	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Colorless.
Odor	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	
Odor threshold	 Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul 	Not available.
рН	:	

Section 9. Physical and chemical properties and safety characteristics

		Benzophenone in isooctane, 100 pg/µl	Not available.
		OFN in Isooctane, 1 pg/µl	Not available.
		GC/MS Checkout Sample,	Not available.
		10 ng/ul	
Melting point/freezing point	1	Benzophenone in isooctane, 100 pg/µl	-107°C (-160.6°F)
		OFN in Isooctane, 1 pg/µl	-107°C (-160.6°F)
		GC/MS Checkout Sample, 10 ng/ul	-107°C (-160.6°F)
Boiling point, initial boiling	:	Benzophenone in isooctane,	99.2°C (210.6°F)
point, and boiling range	-	100 pg/µl	
		OFN in Isooctane, 1 pg/µl	99.2°C (210.6°F)
		GC/MS Checkout Sample,	99.2°C (210.6°F)
		10 ng/ul	
Flash point	1	B enzophenone in isooctane, 100 pg/µl	Closed cup: -18 to 23°C (-0.4 to 73.4°F) [Based on solvent.]
			Open cup: 4.5°C (40.1°F)
		OFN in Isooctane, 1 pg/µl	Closed cup: -18 to 23°C (-0.4 to 73.4°F) [Based on solvent.]
			Open cup: 4.5°C (40.1°F)
		GC/MS Checkout Sample, 10 ng/ul	Closed cup: -18 to 23°C (-0.4 to 73.4°F)
			Open cup: 4.5°C (40.1°F)
Evaporation rate	1	Benzophenone in isooctane, 100 pg/µl	3.6 (butyl acetate = 1)
		OFN in Isooctane, 1 pg/µl	Not available.
		GC/MS Checkout Sample, 10 ng/ul	Not available.
Flammability	:	Benzophenone in isooctane,	Not applicable.
		100 pg/µl	
		OFN in Isooctane, 1 pg/µl	Not applicable.
		GC/MS Checkout Sample,	Not applicable.
		10 ng/ul	
Lower and upper explosion limit/flammability limit	1	Benzophenone in isooctane, 100 pg/µl	Lower: 1.1%
			Upper: <=13%
		OFN in Isooctane, 1 pg/µl	Lower: 1.1%
			Upper: 6%
		GC/MS Checkout Sample, 10 ng/ul	Lower: 1.1%
			Upper: 6%
Vapor pressure	1	Benzophenone in isooctane, 100 pg/µl	5.5 kPa (41 mm Hg)
		OFN in Isooctane, 1 pg/µl	5.5 kPa (41 mm Hg)
		GC/MS Checkout Sample, 10 ng/ul	5.5 kPa (41 mm Hg)
Relative vapor density	:	Benzophenone in isooctane,	>1 [Air = 1]
		100 pg/µl	
		OFN in Isooctane, 1 pg/µl	3.93 [Air = 1]
		GC/MS Checkout Sample,	3.93 [Air = 1]
		10 ng/ul	

Section 9. Physical and chemical properties and safety characteristics

Relative density	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Not availab 0.692 Not availab	
Solubility(ies)	: Media		Result
	Benzophenone in isooctan water OFN in Isooctane, 1 pg/μl water	e, 100 pg/µl	Insoluble Insoluble
	GC/MS Checkout Sample, 7	l0 ng/ul	
	water		Insoluble
Partition coefficient: n- octanol/water	 Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul 	4.5 Not applica Not applica	
Auto-ignition temperature	 Benzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl GC/MS Checkout Sample, 10 ng/ul 	418°C (784 418°C (784 418°C (784	I.4°F)
Decomposition temperature	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Not availab Not availab Not availab	le.
Viscosity	: Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Not availab Not availab Not availab	le.
Particle characteristics			
Median particle size	: Benzophenone in isooctane, 100 pg/µl	Not applica	
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Not applica Not applica	

Section 10. Stability and reactivity

Reactivity	100 pg/µl OFN in Isooctane, 1 pg/µl f GC/MS Checkout Sample,	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. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	100 pg/µl OFN in Isooctane, 1 pg/µl	The product is stable. The product is stable. The product is stable.

Section 10. Stability and reactivity

Section 10. Stabili	y and reactivity	
Possibility of hazardous reactions	100 pg/µl h OFN in Isooctane, 1 pg/µl h	Under normal conditions of storage and use, nazardous reactions will not occur. Under normal conditions of storage and use, nazardous reactions will not occur.
		Jnder normal conditions of storage and use, nazardous reactions will not occur.
Conditions to avoid	100 pg/µl E c E	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
		Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
	GC/MS Checkout Sample, A 10 ng/ul C C	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible materials	100 pg/µl	Reactive or incompatible with the following materials:
	OFN in Isooctane, 1 pg/µl F	oxidizing materials Reactive or incompatible with the following materials: oxidizing materials
	GC/MS Checkout Sample, F 10 ng/ul	Reactive or incompatible with the following materials:
	0	oxidizing materials
Hazardous decomposition products	100 pg/µl h p	Under normal conditions of storage and use, nazardous decomposition products should not be produced.
	h	Under normal conditions of storage and use, nazardous decomposition products should not be produced.
	GC/MS Checkout Sample, L 10 ng/ul h	Under normal conditions of storage and use, nazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzophenone in isooctane, 100 pg/µl				
2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
OFN in Isooctane, 1 pg/µl				
2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male,	>5000 mg/kg	-

Section 11 Toxicological information

		7 11			
 GC/MS Checkout Sample,		Female			
10 ng/ul					
2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours	
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-	

Irritation/Corrosion

Not available.

Se	nsi	tiza	itic	<u>on</u>

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)

Name	Category	Route of exposure	Target organs
Benzophenone in isooctane, 100 pg/μl 2,2,4-trimethylpentane	Category 3	-	Narcotic effects
OFN in Isooctane, 1 pg/μl 2,2,4-trimethylpentane	Category 3	-	Narcotic effects
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Benzophenone in isooctane, 100 pg/µl	
Benzophenone in isooctane, 100 pg/µl	ASPIRATION HAZARD - Category 1
2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1
OFN in Isooctane, 1 pg/µl	
OFN in Isooctane, 1 pg/µl	ASPIRATION HAZARD - Category 1
2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1
GC/MS Checkout Sample, 10 ng/ul	
GC/MS Checkout Sample, 10 ng/ul	ASPIRATION HAZARD - Category 1
2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1

4: 4: лл . . £ 0 . ı. 5

Information on the likely	:	Benzophenone in isooctane, 100 pg/µl	Routes of entry anticipated: Oral, Dermal, Inhalation,
routes of exposure		OFN in Isooctane, 1 pg/μl	Eyes. Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
		GC/MS Checkout Sample, 10 ng/ul	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Potential acute health effect	<u>cts</u>		
Eye contact	:	Benzophenone in isooctane, 100 pg/µl	No known significant effects or critical hazards.
		OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	:	₿enzophenone in isooctane, 100 pg/μl OFN in Isooctane, 1 pg/μl	Can cause central nervous system (CNS) depression May cause drowsiness or dizziness. Can cause central nervous system (CNS) depression May cause drowsiness or dizziness.
		GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression May cause drowsiness or dizziness.
Skin contact	:	Benzophenone in isooctane, 100 pg/µl	Causes skin irritation.
		OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	Causes skin irritation. Causes skin irritation.
Ingestion	:	Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl	Can cause central nervous system (CNS) depression May be fatal if swallowed and enters airways. Can cause central nervous system (CNS) depression May be fatal if swallowed and enters airways.
		GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression May be fatal if swallowed and enters airways.
Symptoms related to the pl	hysic	al, chemical and toxicologic	al characteristics
Eye contact	:	Benzophenone in isooctane, 100 pg/µl	Adverse symptoms may include the following:
			pain or irritation watering redness
		OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following: pain or irritation watering redness
		GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
			pain or irritation watering redness
Inhalation	:	Benzophenone in isooctane, 100 pg/μl	Adverse symptoms may include the following:
			nausea or vomiting headache drowsiness/fatigue

Section 11. Toxicological information

	<u> </u>	-
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
		nausea or vomiting
		headache
		drowsiness/fatigue
		dizziness/vertigo
		unconsciousness
Skin contact	: Benzophenone in isooctane, 100 pg/μl	Adverse symptoms may include the following:
		irritation
		redness
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following: irritation
		redness
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
		irritation
		redness
Ingestion	: Benzophenone in isooctane, 100 pg/µl	Adverse symptoms may include the following:
		nausea or vomiting
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following: nausea or vomiting
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following:
	C C	nausea or vomiting
		-

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

Short term exposure			
Potential immediate effects	:	Not available.	
Potential delayed effects	:	Not available.	
<u>Long term exposure</u>			
Potential immediate effects	:	Not available.	
Potential delayed effects	1	Not available.	
Potential chronic health eff	ect	<u>s</u>	
General	:	Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	:	Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	:	Benzophenone in isooctane, 100 pg/µl OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Section 11. Toxicological information

Reproductive toxicity	: Benzophenone in isooctane, 100 pg/µl	No known significant effects or critical hazards.
	OFN in Isooctane, 1 pg/µl GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards. No known significant effects or critical hazards.
Numerical measures of tox Acute toxicity estimates N/A	<u>iicity</u>	
Other information	: Benzophenone in isooctane, 100 pg/µl	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
	OFN in Isooctane, 1 pg/µl	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
	GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Benzophenone in isooctane, 100 pg/µl 2,2,4-trimethylpentane	-	-	Inherent
OFN in Isooctane, 1 pg/μl 2,2,4-trimethylpentane	-	-	Inherent
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	-	-	Inherent

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Benzophenone in			
isooctane, 100 pg/µl			
Benzophenone in isooctane,	4.5	-	High
100 pg/µl			
2,2,4-trimethylpentane	4.08	231	Low
OFN in Isooctane, 1 pg/µl			
2,2,4-trimethylpentane	4.08	231	Low
GC/MS Checkout Sample,			
10 ng/ul			
2,2,4-trimethylpentane	4.08	231	Low

Section 12. Ecological information

Mobility in soil

Soil/water	partition	
coefficient (Koc)		

: Not available.

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

Section 13. Disposal considerations

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

Section 14. Transport information

TDG / IMDG / IATA	: Not regulated.
-------------------	------------------

Additional information

Remarks: De minimis quantities

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.

: The following components are listed: octane (all isomers)

Transport in bulk according : Not available.

to IMO instruments

Section 15. Regulatory information

Canadian lists Canadian NPRI CEPA Toxic substances International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

: None of the components are listed.

Section 15. Regulatory information

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

Inventory list

Canada	: Not determined.
United States	: Not determined.

Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 04/22/2024
Date of previous issue	: 07/15/2021
Version	: 8
Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations

Procedure used to derive the classification

Classification	Justification
Benzophenone in isooctane, 100 pg/µl	
FLAMMABLE LIQUIDS - Category 2	On basis of test data
SKIN IRRITATION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE	Calculation method
EXPOSURE) (Narcotic effects) - Category 3	
ASPIRATION HAZARD - Category 1	Expert judgment
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 1	Calculation method
OFN in Isooctane, 1 pg/μl	
FLAMMABLE LIQUIDS - Category 2	On basis of test data
SKIN IRRITATION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE	Calculation method
EXPOSURE) (Narcotic effects) - Category 3	
ASPIRATION HAZARD - Category 1	Expert judgment
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 1	Calculation method
GC/MS Checkout Sample, 10 ng/ul	
FLAMMABLE LIQUIDS - Category 2	On basis of test data
SKIN IRRITATION - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE	Calculation method
EXPOSURE) (Narcotic effects) - Category 3	
ASPIRATION HAZARD - Category 1	Expert judgment
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 1	Calculation method

✓ Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

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