

SAFETY DATA SHEET



HCB Performance Sample, Part Number 8500-5808

Section 1. Identification

1.1 Product identifier

Product name : HCB Performance Sample, Part Number 8500-5808
Part no. (chemical kit) : 8500-5808
Part no. : HCB Performance Sample, 1 ng/µL (2 x 1mL) 8500-5808-1
 HCB Performance Sample, 10 pg/µL (4 x 1mL) 8500-5808-2
Validation date : 5/29/2023

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

Identified uses : Reagents and Standards for Analytical Chemistry Laboratory Use
 HCB Performance Sample, 1 ng/µL (2 x 1mL) 1 ng/ µl (2 x 1 ml)
 HCB Performance Sample, 10 pg/µL (4 x 1mL) 10 pg/ µl (4 x 1 ml)

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

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

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : HCB Performance Sample, 1 ng/µL (2 x 1mL) This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 HCB Performance Sample, 10 pg/µL (4 x 1mL) This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

HCB Performance Sample, 1 ng/µL (2 x 1mL)

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN IRRITATION - Category 2
 H319 EYE IRRITATION - Category 2A
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 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

HCB Performance Sample, 10 pg/µL (4 x 1mL)

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN IRRITATION - Category 2
 H319 EYE IRRITATION - Category 2A
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Section 2. Hazards identification

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

2.2 GHS label elements

Hazard pictograms

: FCB Performance Sample, 1 ng/μL (2 x 1mL)



FCB Performance Sample, 10 pg/μL (4 x 1mL)



Signal word

: FCB Performance Sample, 1 ng/μL (2 x 1mL)

Danger

FCB Performance Sample, 10 pg/μL (4 x 1mL)

Danger

Hazard statements

: FCB Performance Sample, 1 ng/μL (2 x 1mL)

H225 - Highly flammable liquid and vapor.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H410 - Very toxic to aquatic life with long lasting effects.

FCB Performance Sample, 10 pg/μL (4 x 1mL)

H225 - Highly flammable liquid and vapor.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

: FCB Performance Sample, 1 ng/μL (2 x 1mL)

P280 - Wear protective gloves. Wear eye or face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 - Use explosion-proof electrical, ventilating or lighting equipment.

P242 - Use non-sparking tools.

P243 - Take action to prevent static discharges.

P273 - Avoid release to the environment.

P261 - Avoid breathing vapor.

P264 - Wash thoroughly after handling.

FCB Performance Sample, 10 pg/μL (4 x 1mL)

P280 - Wear protective gloves. Wear eye or face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

Section 2. Hazards identification

Response

: PCB Performance Sample, 1 ng/μL (2 x 1mL)

PCB Performance Sample, 10 pg/μL (4 x 1mL)

smoking.
 P241 - Use explosion-proof electrical, ventilating or lighting equipment.
 P242 - Use non-sparking tools.
 P243 - Take action to prevent static discharges.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing vapor.
 P264 - Wash thoroughly after handling.
 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.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice or attention.
 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.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage

: PCB Performance Sample, 1 ng/μL (2 x 1mL)

PCB Performance Sample, 10 pg/μL (4 x 1mL)

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 - Keep cool.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 - Keep cool.

Disposal

: PCB Performance Sample, 1 ng/μL (2 x 1mL)

PCB Performance Sample, 10 pg/μL (4 x 1mL)

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.

Supplemental label elements

: PCB Performance Sample, 1 ng/μL (2 x 1mL)
 PCB Performance Sample, 10 pg/μL (4 x 1mL)

None known.
 None known.

2.3 Other hazards

Section 2. Hazards identification

Hazards not otherwise classified : PCB Performance Sample, 1 ng/μL (2 x 1mL) None known.
 HCB Performance Sample, 10 pg/μL (4 x 1mL) None known.

Section 3. Composition/information on ingredients

Substance/mixture : PCB Performance Sample, 1 ng/μL (2 x 1mL) Mixture
 HCB Performance Sample, 10 pg/μL (4 x 1mL) Mixture

Ingredient name	%	CAS number
PCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	≥90	540-84-1
HCB Performance Sample, 10 pg/μL (4 x 1mL) 2,2,4-trimethylpentane	≥90	540-84-1

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

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

<p>Eye contact : PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>HCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>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.</p> <p>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.</p>
<p>Inhalation : PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>HCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>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.</p> <p>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</p>

Section 4. First aid measures

Skin contact

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

FCB Performance Sample, 10
pg/μL (4 x 1mL)

Ingestion

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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.

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. 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.

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.

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.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

Eye contact	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Causes serious eye irritation.
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Causes serious eye irritation.
Inhalation	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Causes skin irritation.
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Causes skin irritation.
Ingestion	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
<u>Over-exposure signs/symptoms</u>		
Eye contact	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Adverse symptoms may include the following: pain or irritation watering redness
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: FCB Performance Sample, 1 ng/µL (2 x 1mL)	Adverse symptoms may include the following: irritation redness
	: HCB Performance Sample, 10 pg/µL (4 x 1mL)	Adverse symptoms may include the following: irritation redness

Section 4. First aid measures

Ingestion	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	Adverse symptoms may include the following: nausea or vomiting
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	Adverse symptoms may include the following: nausea or vomiting

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

Notes to physician	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	No specific treatment.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	No specific treatment.
Protection of first-aiders	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	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.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	Use dry chemical, CO ₂ , water spray (fog) or foam.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	Do not use water jet.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	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
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Section 5. Fire-fighting measures

from being discharged to any waterway, sewer or drain.

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

FCB Performance Sample, 10
pg/μL (4 x 1mL)

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire-fighters

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

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.

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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.

Special protective equipment for fire-fighters

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

FCB Performance Sample, 10
pg/μL (4 x 1mL)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

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.

Section 6. Accidental release measures

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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 : FCB Performance Sample, 1
ng/μL (2 x 1mL)

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".

FCB Performance Sample, 10
pg/μL (4 x 1mL)

6.2 Environmental precautions

: FCB Performance Sample, 1
ng/μL (2 x 1mL)

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.

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : FCB Performance Sample, 1
ng/μL (2 x 1mL)

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.

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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

7.1 Precautions for safe handling

Section 7. Handling and storage

<p>Protective measures</p>	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p>	<p>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.</p>
	<p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>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.</p>
<p>Advice on general occupational hygiene</p>	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p>	<p>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.</p>
<p>7.2 Conditions for safe storage, including any incompatibilities</p>	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p>	<p>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</p>

Section 7. Handling and storage

FCB Performance Sample, 10
pg/μL (4 x 1mL)

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

FCB Performance Sample, 1 ng/μL (2 x 1mL) Industrial applications, Professional applications.
 HCB Performance Sample, 10 pg/μL (4 x 1mL) Industrial applications, Professional applications.

Industrial sector specific solutions

FCB Performance Sample, 1 ng/μL (2 x 1mL) Not available.
 HCB Performance Sample, 10 pg/μL (4 x 1mL) Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
FCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	ACGIH TLV (United States, 1/2022). [Octane all isomers] TWA: 300 ppm 8 hours.
HCB Performance Sample, 10 pg/μL (4 x 1mL) 2,2,4-trimethylpentane	ACGIH TLV (United States, 1/2022). [Octane all isomers] TWA: 300 ppm 8 hours.

Biological exposure indices

No exposure indices known.

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, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Section 8. Exposure controls/personal protection

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

Individual protection measures

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

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

Skin protection

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

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. 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	: PCB Performance Sample, 1 ng/μL (2 x 1mL)	Liquid.
	: HCB Performance Sample, 10 pg/μL (4 x 1mL)	Liquid.
Color	: PCB Performance Sample, 1 ng/μL (2 x 1mL)	Clear. Colorless.
	: HCB Performance Sample, 10 pg/μL (4 x 1mL)	Clear. Colorless.
Odor	: PCB Performance Sample, 1 ng/μL (2 x 1mL)	Gasoline-like
	: HCB Performance Sample, 10 pg/μL (4 x 1mL)	Gasoline-like
Odor threshold	: PCB Performance Sample, 1 ng/μL (2 x 1mL)	Not available.
	: HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available.

Section 9. Physical and chemical properties and safety characteristics

pH	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available. Not available.						
Melting point/freezing point	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	-107°C (-160.6°F) -107°C (-160.6°F)						
Boiling point, initial boiling point, and boiling range	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	99.2°C (210.6°F) 99.2°C (210.6°F)						
Flash point	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Open cup: 4.5°C (40.1°F) Open cup: 4.5°C (40.1°F)						
Evaporation rate	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available. Not available.						
Flammability	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not applicable. Not applicable.						
Lower and upper explosion limit/flammability limit	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Lower: 1.1% Upper: 6% Lower: 1.1% Upper: 6%						
Vapor pressure	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	5.5 kPa (41 mm Hg) 5.5 kPa (41 mm Hg)						
Relative vapor density	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	3.93 [Air = 1] 3.93 [Air = 1]						
Relative density	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available. Not available.						
Solubility(ies)	: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Media</th> <th style="text-align: left; padding: 5px;">Result</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">FCB Performance Sample, 1 ng/μL (2 x 1mL) water</td> <td style="padding: 5px;">Insoluble</td> </tr> <tr> <td style="padding: 5px;">HCB Performance Sample, 10 pg/μL (4 x 1mL) water</td> <td style="padding: 5px;">Insoluble</td> </tr> </tbody> </table>	Media	Result	FCB Performance Sample, 1 ng/μL (2 x 1mL) water	Insoluble	HCB Performance Sample, 10 pg/μL (4 x 1mL) water	Insoluble	
Media	Result							
FCB Performance Sample, 1 ng/μL (2 x 1mL) water	Insoluble							
HCB Performance Sample, 10 pg/μL (4 x 1mL) water	Insoluble							
Partition coefficient: n-octanol/water	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not applicable. Not applicable.						

Section 9. Physical and chemical properties and safety characteristics

Auto-ignition temperature	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	418°C (784.4°F) 418°C (784.4°F)
Decomposition temperature	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available. Not available.
Viscosity	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not available. Not available.

Particle characteristics

Median particle size	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Not applicable. Not applicable.
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Section 10. Stability and reactivity

10.1 Reactivity	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	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	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	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	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	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.
10.5 Incompatible materials	: FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL)	Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials

Section 10. Stability and reactivity

10.6 Hazardous decomposition products	: HCB Performance Sample, 1 ng/μL (2 x 1mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	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
HCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
HCB Performance Sample, 10 pg/μL (4 x 1mL) 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.

Sensitization

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
HCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	Category 3	-	Respiratory tract irritation Narcotic effects
	Category 3	-	
HCB Performance Sample, 10 pg/μL (4 x 1mL) 2,2,4-trimethylpentane	Category 3	-	Respiratory tract irritation Narcotic effects
	Category 3	-	

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard

Name	Result
FCB Performance Sample, 1 ng/μL (2 x 1mL) HCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
HCB Performance Sample, 10 pg/μL (4 x 1mL) HCB Performance Sample, 10 pg/μL (4 x 1mL) 2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
 Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

Causes serious eye irritation.

Causes serious eye irritation.

Inhalation

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

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

Skin contact

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

Causes skin irritation.

Causes skin irritation.

Ingestion

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

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.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

: FCB Performance Sample, 1 ng/μL (2 x 1mL)
 HCB Performance Sample, 10 pg/μL (4 x 1mL)

Adverse symptoms may include the following:

pain or irritation
 watering
 redness

Adverse symptoms may include the following:

pain or irritation
 watering
 redness

Inhalation

: FCB Performance Sample, 1 ng/μL (2 x 1mL)

Adverse symptoms may include the following:

respiratory tract irritation
 coughing
 nausea or vomiting
 headache
 drowsiness/fatigue
 dizziness/vertigo
 unconsciousness

Section 11. Toxicological information

	<p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>Adverse symptoms may include the following:</p> <ul style="list-style-type: none"> respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>Adverse symptoms may include the following:</p> <ul style="list-style-type: none"> irritation redness <p>Adverse symptoms may include the following:</p> <ul style="list-style-type: none"> irritation redness
Ingestion	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>Adverse symptoms may include the following:</p> <ul style="list-style-type: none"> nausea or vomiting <p>Adverse symptoms may include the following:</p> <ul style="list-style-type: none"> 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.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
Carcinogenicity	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
Mutagenicity	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
Reproductive toxicity	<p>: PCB Performance Sample, 1 ng/μL (2 x 1mL)</p> <p>PCB Performance Sample, 10 pg/μL (4 x 1mL)</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 11. Toxicological information

Other information : FCB Performance Sample, 1 ng/ μ L (2 x 1mL) Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

FCB Performance Sample, 10 pg/ μ L (4 x 1mL) Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
FCB Performance Sample, 1 ng/ μ L (2 x 1mL) 2,2,4-trimethylpentane	-	-	Inherent
FCB Performance Sample, 10 pg/ μ L (4 x 1mL) 2,2,4-trimethylpentane	-	-	Inherent

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
FCB Performance Sample, 1 ng/ μ L (2 x 1mL) 2,2,4-trimethylpentane	4.08	231	low
FCB Performance Sample, 10 pg/ μ L (4 x 1mL) 2,2,4-trimethylpentane	4.08	231	low

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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

Section 13. Disposal considerations

cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

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

Section 14. Transport information

DOT / TDG / Mexico / IMDG / : Not regulated.

IATA

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.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 307: Hexachlorobenzene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Section 15. Regulatory information

Classification	: FCB Performance Sample, 1 ng/μL (2 x 1mL)	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1
	HCB Performance Sample, 10 pg/μL (4 x 1mL)	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1

Composition/information on ingredients

Name	%	Classification
FCB Performance Sample, 1 ng/μL (2 x 1mL) 2,2,4-trimethylpentane	≥90	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Static-accumulating flammable liquid
HCB Performance Sample, 10 pg/μL (4 x 1mL) 2,2,4-trimethylpentane	≥90	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Static-accumulating flammable liquid

State regulations

- Massachusetts** : The following components are listed: ISOOCTANE
 - New York** : The following components are listed: 2,2,4-Trimethylpentane
 - New Jersey** : The following components are listed: ISOOCTANE
 - Pennsylvania** : The following components are listed: PENTANE, 2,2,4-TRIMETHYL-
- California Prop. 65**

⚠ WARNING: This product can expose you to Hexachlorobenzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
FCB Performance Sample, 1 ng/μL (2 x 1mL) Hexachlorobenzene	Yes.	-
HCB Performance Sample, 10 pg/μL (4 x 1mL) Hexachlorobenzene	Yes.	-

International regulations

Section 15. Regulatory information

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.

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.
Eurasian Economic Union	: Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: Not determined.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
PCB Performance Sample, 1 ng/μL (2 x 1mL) FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1	On basis of test data Calculation method Calculation method Calculation method Calculation method Expert judgment Calculation method Calculation method
HCB Performance Sample, 10 pg/μL (4 x 1mL) FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	On basis of test data Calculation method Calculation method Calculation method Calculation method

Section 16. Other information

ASPIRATION HAZARD - Category 1	Expert judgment
AQUATIC HAZARD (ACUTE) - Category 1	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 1	Calculation method

History

Date of issue : 05/29/2023

Date of previous issue : 05/08/2020

Version : 8

Key to abbreviations

- : ATE = Acute Toxicity Estimate
- : BCF = Bioconcentration Factor
- : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- : IATA = International Air Transport Association
- : IBC = Intermediate 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

 Indicates information that has changed from previously issued version.

Notice to reader

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