

Section 2. Hazard(s) identification

GHS label elements

Hazard pictograms

: GC/MS Checkout Sample,
10 ng/ul



GC/MS Checkout Sample
(100 pg/uL)



GC/MS Checkout Sample
(100 ng/uL)



Signal word

: GC/MS Checkout Sample,
10 ng/ul

DANGER

GC/MS Checkout Sample
(100 pg/uL)

DANGER

GC/MS Checkout Sample
(100 ng/uL)

DANGER

Hazard statements

: GC/MS Checkout Sample,
10 ng/ul

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H304 - May be fatal if swallowed and enters airways.

H336 - May cause drowsiness or dizziness.

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

GC/MS Checkout Sample
(100 pg/uL)

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H304 - May be fatal if swallowed and enters airways.

H336 - May cause drowsiness or dizziness.

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GC/MS Checkout Sample
(100 ng/uL)

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H315 - Causes skin irritation.

H304 - May be fatal if swallowed and enters airways.

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Precautionary statements

Prevention

: GC/MS Checkout Sample,
10 ng/ul

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, lighting and all material-handling equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P233 - Keep container tightly closed.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P261 - Avoid breathing vapour.

P264 - Wash hands thoroughly after handling.

GC/MS Checkout Sample
(100 pg/uL)

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

Section 2. Hazard(s) identification

	<p>GC/MS Checkout Sample (100 ng/uL)</p>	<p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P261 - Avoid breathing vapour. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves. Wear eye or face protection.</p> <p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P261 - Avoid breathing vapour. P264 - Wash hands thoroughly after handling.</p> <p>P391 - Collect spillage.</p>
<p>Response</p>	<p>: GC/MS Checkout Sample, 10 ng/ul</p>	<p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. P332 + P313 - If skin irritation occurs: Get medical attention.</p> <p>P391 - Collect spillage.</p>
	<p>GC/MS Checkout Sample (100 pg/uL)</p>	<p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. P332 + P313 - If skin irritation occurs: Get medical attention.</p> <p>P391 - Collect spillage.</p>
	<p>GC/MS Checkout Sample (100 ng/uL)</p>	<p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if</p>

Section 2. Hazard(s) identification

		you feel unwell. P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. P332 + P313 - If skin irritation occurs: Get medical attention.
Storage	: GC/MS Checkout Sample, 10 ng/ul	P405 - Store locked up.
	GC/MS Checkout Sample (100 pg/uL)	P403 - Store in a well-ventilated place. P235 - Keep cool. P405 - Store locked up.
	GC/MS Checkout Sample (100 ng/uL)	P403 - Store in a well-ventilated place. P235 - Keep cool. P405 - Store locked up.
Disposal	: GC/MS Checkout Sample, 10 ng/ul	P403 - Store in a well-ventilated place. P235 - Keep cool. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	GC/MS Checkout Sample (100 pg/uL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	GC/MS Checkout Sample (100 ng/uL)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements		
Additional warning phrases	: GC/MS Checkout Sample, 10 ng/ul	Not applicable.
	GC/MS Checkout Sample (100 pg/uL)	Not applicable.
	GC/MS Checkout Sample (100 ng/uL)	Not applicable.
Other hazards which do not result in classification	: GC/MS Checkout Sample, 10 ng/ul	None known.
	GC/MS Checkout Sample (100 pg/uL)	None known.
	GC/MS Checkout Sample (100 ng/uL)	None known.

Section 3. Composition and ingredient information

Substance/mixture	: GC/MS Checkout Sample, 10 ng/ul	Mixture
	GC/MS Checkout Sample (100 pg/uL)	Mixture
	GC/MS Checkout Sample (100 ng/uL)	Mixture

CAS number/other identifiers

Section 3. Composition and ingredient information

Ingredient name	% (w/w)	CAS number
<input checked="" type="checkbox"/> GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	≥90	540-84-1
<input checked="" type="checkbox"/> GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	≥90	540-84-1
<input checked="" type="checkbox"/> GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	≥90	540-84-1

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

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.

GC/MS Checkout Sample (100 pg/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.

GC/MS Checkout Sample (100 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

GC/MS Checkout Sample, 10 ng/ul

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.

GC/MS Checkout Sample (100 pg/uL)


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.

GC/MS Checkout Sample (100 ng/uL)

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

Section 4. First aid measures

Skin contact

:  GC/MS Checkout Sample, 10 ng/ul

GC/MS Checkout Sample (100 pg/uL)

GC/MS Checkout Sample (100 ng/uL)


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.

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

:  GC/MS Checkout Sample, 10 ng/ul

GC/MS Checkout Sample (100 pg/uL)

GC/MS Checkout Sample (100 ng/uL)

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

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Section 4. First aid measures

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

Potential acute health effects

Eye contact	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Inhalation	: GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
	GC/MS Checkout Sample (100 pg/uL)	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
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Skin contact	: GC/MS Checkout Sample, 10 ng/ul	Causes skin irritation.
	GC/MS Checkout Sample (100 pg/uL)	Causes skin irritation.
	GC/MS Checkout Sample (100 ng/uL)	Causes skin irritation.
Ingestion	: GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
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	GC/MS Checkout Sample (100 ng/uL)	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: pain or irritation watering redness
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	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness

Section 4. First aid measures

	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
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Skin contact	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: irritation redness
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: irritation redness
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: irritation redness
Ingestion	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: nausea or vomiting
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: nausea or vomiting
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: nausea or vomiting
<u>Indication of immediate medical attention and special treatment needed, if necessary</u>		
Notes to physician	: GC/MS Checkout Sample, 10 ng/ul	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	GC/MS Checkout Sample (100 pg/uL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	GC/MS Checkout Sample (100 ng/uL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: GC/MS Checkout Sample, 10 ng/ul	No specific treatment.
	GC/MS Checkout Sample (100 pg/uL)	No specific treatment.
	GC/MS Checkout Sample (100 ng/uL)	No specific treatment.
Protection of first-aiders	: GC/MS Checkout Sample, 10 ng/ul	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.
	GC/MS Checkout Sample (100 pg/uL)	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

Section 4. First aid measures

GC/MS Checkout Sample
(100 ng/uL)

appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. 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. Firefighting measures

Extinguishing media

Suitable extinguishing media

: GC/MS Checkout Sample, 10 ng/ul
GC/MS Checkout Sample (100 pg/uL)
GC/MS Checkout Sample (100 ng/uL)

Use dry chemical, CO₂, water spray (fog) or foam.

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Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media

: GC/MS Checkout Sample, 10 ng/ul
GC/MS Checkout Sample (100 pg/uL)
GC/MS Checkout Sample (100 ng/uL)

Do not use water jet.

Do not use water jet.

Do not use water jet.

Specific hazards arising from the chemical

: GC/MS Checkout Sample, 10 ng/ul

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

GC/MS Checkout Sample
(100 pg/uL)

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Section 5. Firefighting measures

Hazardous thermal decomposition products	: GC/MS Checkout Sample, 10 ng/ul	must be contained and prevented from being discharged to any waterway, sewer or drain. Decomposition products may include the following materials: carbon dioxide carbon monoxide
	GC/MS Checkout Sample (100 pg/uL)	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	GC/MS Checkout Sample (100 ng/uL)	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	: GC/MS Checkout Sample, 10 ng/ul	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.
	GC/MS Checkout Sample (100 pg/uL)	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.
	GC/MS Checkout Sample (100 ng/uL)	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	: 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.
	GC/MS Checkout Sample (100 pg/uL)	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 (100 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.
Hazchem code	: GC/MS Checkout Sample, 10 ng/ul	3YE
	GC/MS Checkout Sample (100 pg/uL)	3YE
	GC/MS Checkout Sample (100 ng/uL)	3YE

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate
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Section 6. Accidental release measures

	GC/MS Checkout Sample (100 pg/uL)	ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	GC/MS Checkout Sample (100 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders :	GC/MS Checkout Sample, 10 ng/ul	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	GC/MS Checkout Sample (100 pg/uL)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	GC/MS Checkout Sample (100 ng/uL)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions :	GC/MS Checkout Sample, 10 ng/ul	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	GC/MS Checkout Sample (100 pg/uL)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
	GC/MS Checkout Sample (100 ng/uL)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and material for containment and cleaning up

Section 6. Accidental release measures

Methods for cleaning up	: 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.
	GC/MS Checkout Sample (100 pg/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.
	GC/MS Checkout Sample (100 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

Protective measures	: GC/MS Checkout Sample, 10 ng/ul	Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour 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.
	GC/MS Checkout Sample (100 pg/uL)	Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour 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.
	GC/MS Checkout Sample (100 ng/uL)	Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only

Section 7. Handling and storage

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.

Advice on general occupational hygiene

: 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.

GC/MS Checkout Sample (100 pg/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.

GC/MS Checkout Sample (100 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.

Conditions for safe storage, including any incompatibilities

: GC/MS Checkout Sample, 10 ng/ul

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

GC/MS Checkout Sample (100 pg/uL)

GC/MS Checkout Sample (100 ng/uL)

Section 7. Handling and storage

container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	ACGIH TLV (United States, 3/2017). TWA: 300 ppm 8 hours.
GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	ACGIH TLV (United States, 3/2017). TWA: 300 ppm 8 hours.
GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	ACGIH TLV (United States, 3/2017). TWA: 300 ppm 8 hours.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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.

Section 8. Exposure controls and personal protection

- 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

Appearance

- Physical state** : GC/MS Checkout Sample, 10 ng/ul Liquid.
GC/MS Checkout Sample (100 pg/uL) Liquid.
GC/MS Checkout Sample (100 ng/uL) Liquid.
- Colour** : GC/MS Checkout Sample, 10 ng/ul Clear. / Colourless.
GC/MS Checkout Sample (100 pg/uL) Clear. / Colourless.
GC/MS Checkout Sample (100 ng/uL) Clear. / Colourless.
- Odour** : GC/MS Checkout Sample, 10 ng/ul Gasoline-like
GC/MS Checkout Sample (100 pg/uL) Gasoline-like
GC/MS Checkout Sample (100 ng/uL) Gasoline-like
- Odour threshold** : GC/MS Checkout Sample, 10 ng/ul Not available.
GC/MS Checkout Sample (100 pg/uL) Not available.
GC/MS Checkout Sample (100 ng/uL) Not available.
- pH** : GC/MS Checkout Sample, 10 ng/ul Not available.
GC/MS Checkout Sample (100 pg/uL) Not available.
GC/MS Checkout Sample (100 ng/uL) Not available.
- Melting point** : GC/MS Checkout Sample, 10 ng/ul -107°C (-160.6°F)
GC/MS Checkout Sample (100 pg/uL) -107°C (-160.6°F)
GC/MS Checkout Sample (100 ng/uL) -107°C (-160.6°F)
- Boiling point** : GC/MS Checkout Sample, 10 ng/ul 99.2°C (210.6°F)
GC/MS Checkout Sample (100 pg/uL) 99.2°C (210.6°F)
GC/MS Checkout Sample (100 ng/uL) 99.2°C (210.6°F)

Section 9. Physical and chemical properties

Flash point	: 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)
	GC/MS Checkout Sample (100 pg/uL)	Closed cup: -18 to 23°C (-0.4 to 73.4°F) Open cup: 4.5°C (40.1°F)
	GC/MS Checkout Sample (100 ng/uL)	Closed cup: -18 to 23°C (-0.4 to 73.4°F) Open cup: 4.5°C (40.1°F)
Evaporation rate	: GC/MS Checkout Sample, 10 ng/ul	Not available.
	GC/MS Checkout Sample (100 pg/uL)	Not available.
	GC/MS Checkout Sample (100 ng/uL)	Not available.
Flammability (solid, gas)	: GC/MS Checkout Sample, 10 ng/ul	Not applicable.
	GC/MS Checkout Sample (100 pg/uL)	Not applicable.
	GC/MS Checkout Sample (100 ng/uL)	Not applicable.
Lower and upper explosive (flammable) limits	: GC/MS Checkout Sample, 10 ng/ul	Lower: 1.1% Upper: 6%
	GC/MS Checkout Sample (100 pg/uL)	Lower: 1.1% Upper: 6%
	GC/MS Checkout Sample (100 ng/uL)	Lower: 1.1% Upper: 6%
Vapour pressure	: GC/MS Checkout Sample, 10 ng/ul	5.5 kPa (41 mm Hg) [room temperature]
	GC/MS Checkout Sample (100 pg/uL)	5.5 kPa (41 mm Hg) [room temperature]
	GC/MS Checkout Sample (100 ng/uL)	5.5 kPa (41 mm Hg) [room temperature]
Vapour density	: GC/MS Checkout Sample, 10 ng/ul	3.93 [Air = 1]
	GC/MS Checkout Sample (100 pg/uL)	3.93 [Air = 1]
	GC/MS Checkout Sample (100 ng/uL)	3.93 [Air = 1]
Relative density	: GC/MS Checkout Sample, 10 ng/ul	Not available.
	GC/MS Checkout Sample (100 pg/uL)	Not available.
	GC/MS Checkout Sample (100 ng/uL)	Not available.
Solubility	: GC/MS Checkout Sample, 10 ng/ul	Insoluble in the following materials: cold water and hot water.
	GC/MS Checkout Sample (100 pg/uL)	Insoluble in the following materials: cold water and hot water.
	GC/MS Checkout Sample (100 ng/uL)	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: GC/MS Checkout Sample, 10 ng/ul	Not available.
	GC/MS Checkout Sample (100 pg/uL)	Not available.
	GC/MS Checkout Sample (100 ng/uL)	Not available.

Section 9. Physical and chemical properties

Auto-ignition temperature	: GC/MS Checkout Sample, 10 ng/ul	418°C (784.4°F)
	GC/MS Checkout Sample (100 pg/uL)	418°C (784.4°F)
	GC/MS Checkout Sample (100 ng/uL)	418°C (784.4°F)
Decomposition temperature	: GC/MS Checkout Sample, 10 ng/ul	Not available.
	GC/MS Checkout Sample (100 pg/uL)	Not available.
	GC/MS Checkout Sample (100 ng/uL)	Not available.
Viscosity	: GC/MS Checkout Sample, 10 ng/ul	Not available.
	GC/MS Checkout Sample (100 pg/uL)	Not available.
	GC/MS Checkout Sample (100 ng/uL)	Not available.

Section 10. Stability and reactivity

Reactivity	: GC/MS Checkout Sample, 10 ng/ul	No specific test data related to reactivity available for this product or its ingredients.
	GC/MS Checkout Sample (100 pg/uL)	No specific test data related to reactivity available for this product or its ingredients.
	GC/MS Checkout Sample (100 ng/uL)	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: GC/MS Checkout Sample, 10 ng/ul	The product is stable.
	GC/MS Checkout Sample (100 pg/uL)	The product is stable.
	GC/MS Checkout Sample (100 ng/uL)	The product is stable.
Possibility of hazardous reactions	: GC/MS Checkout Sample, 10 ng/ul	Under normal conditions of storage and use, hazardous reactions will not occur.
	GC/MS Checkout Sample (100 pg/uL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	GC/MS Checkout Sample (100 ng/uL)	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: GC/MS Checkout Sample, 10 ng/ul	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	GC/MS Checkout Sample (100 pg/uL)	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	GC/MS Checkout Sample (100 ng/uL)	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.

Section 10. Stability and reactivity

Incompatible materials	: GC/MS Checkout Sample, 10 ng/ul	Reactive or incompatible with the following materials: oxidizing materials
	GC/MS Checkout Sample (100 pg/uL)	Reactive or incompatible with the following materials: oxidizing materials
	GC/MS Checkout Sample (100 ng/uL)	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	: GC/MS Checkout Sample, 10 ng/ul	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	GC/MS Checkout Sample (100 pg/uL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	GC/MS Checkout Sample (100 ng/uL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	LC50 Inhalation Vapour	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	LC50 Inhalation Vapour	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	LC50 Inhalation Vapour	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	Category 3	Not applicable.	Narcotic effects
GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	Category 3	Not applicable.	Narcotic effects
GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	Category 3	Not applicable.	Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
GC/MS Checkout Sample, 10 ng/ul GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
GC/MS Checkout Sample (100 pg/uL) GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
GC/MS Checkout Sample (100 ng/uL) GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on likely routes of exposure :

- GC/MS Checkout Sample, 10 ng/ul Routes of entry anticipated: Oral, Dermal, Inhalation.
- GC/MS Checkout Sample (100 pg/uL) Routes of entry anticipated: Oral, Dermal, Inhalation.
- GC/MS Checkout Sample (100 ng/uL) Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact :

- GC/MS Checkout Sample, 10 ng/ul No known significant effects or critical hazards.
- GC/MS Checkout Sample (100 pg/uL) No known significant effects or critical hazards.
- GC/MS Checkout Sample (100 ng/uL) No known significant effects or critical hazards.

Inhalation :

- GC/MS Checkout Sample, 10 ng/ul Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- GC/MS Checkout Sample (100 pg/uL) Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- GC/MS Checkout Sample (100 ng/uL) Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact :

- GC/MS Checkout Sample, 10 ng/ul Causes skin irritation.
- GC/MS Checkout Sample (100 pg/uL) Causes skin irritation.
- GC/MS Checkout Sample (100 ng/uL) Causes skin irritation.

Section 11. Toxicological information

Ingestion	: GC/MS Checkout Sample, 10 ng/ul	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
	GC/MS Checkout Sample (100 pg/uL)	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
	GC/MS Checkout Sample (100 ng/uL)	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	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: pain or irritation watering redness
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: pain or irritation watering redness
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: irritation redness
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: irritation redness
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: irritation redness

Section 11. Toxicological information

Ingestion	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: nausea or vomiting
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: nausea or vomiting
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: nausea or vomiting

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

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

General	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Carcinogenicity	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Mutagenicity	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Teratogenicity	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Developmental effects	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.
Fertility effects	: GC/MS Checkout Sample, 10 ng/ul	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 pg/uL)	No known significant effects or critical hazards.
	GC/MS Checkout Sample (100 ng/uL)	No known significant effects or critical hazards.

Numerical measures of toxicity

Section 11. Toxicological information

Acute toxicity estimates

Not available.

Other information	: GC/MS Checkout Sample, 10 ng/ul	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
	GC/MS Checkout Sample (100 pg/uL)	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
	GC/MS Checkout Sample (100 ng/uL)	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	Acute LC50 0.11 mg/l Fresh water	Fish	96 hours
GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	Acute LC50 0.11 mg/l Fresh water	Fish	96 hours
GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	Acute LC50 0.11 mg/l Fresh water	Fish	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
GC/MS Checkout Sample, 10 ng/ul 2,2,4-trimethylpentane	4.08	231	low
GC/MS Checkout Sample (100 pg/uL) 2,2,4-trimethylpentane	4.08	231	low
GC/MS Checkout Sample (100 ng/uL) 2,2,4-trimethylpentane	4.08	231	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : 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 minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. 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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

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 Annex II of Marpol and the IBC Code : Not available.

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.
Canada : Not determined.
China : All components are listed or exempted.
Europe : All components are listed or exempted.

Section 15. Regulatory information

Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision	: 21/08/2018
Date of previous issue	: 20/04/2017
Version	: 7

Key to abbreviations

: ADG = Australian Dangerous Goods
: 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)
: NOHSC = National Occupational Health and Safety Commission
: SUSMP = Standard Uniform Schedule of Medicine and Poisons
: UN = United Nations

Procedure used to derive the classification

Classification	Justification
GC/MS Checkout Sample, 10 ng/ul Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method
GC/MS Checkout Sample (100 pg/uL) Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method
GC/MS Checkout Sample (100 ng/uL) Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method

Section 16. Any other relevant information

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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