

# SAFETY DATA SHEET



Poroshell 120 - Selectivity Method Development - 4.6 x 50 mm, Part Number 5190-6156

## Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

### 1.1 Product identifier

**Product name** : Poroshell 120 - Selectivity Method Development - 4.6 x 50 mm, Part Number 5190-6156  
**Part No. (Chemical Kit)** : 5190-6156  
**Part No.** : Poroshell 120, EC-C18 699975-902  
 Poroshell 120, Phe-Hex 699975-912  
 Poroshell 120 Bonus RP 699968-901  
**Validation date** : 4/19/2017

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

**Material uses** : Analytical chemistry.  
 Column  
 Poroshell 120, EC-C18 4.6x50mm, 2.7um Solvent Volume: 0.42  
 Poroshell 120, Phe-Hex 4.6x50mm, 2.7um Solvent Volume: 0.42  
 Poroshell 120 Bonus RP 4.6x50mm, 2.7um Solvent Volume: 0.42

### 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

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

### 2.1 Classification of the substance or mixture

**OSHA/HCS status** : Poroshell 120, EC-C18 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 Poroshell 120, Phe-Hex This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 Poroshell 120 Bonus RP This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

## Section 2. Hazards identification

### Poroshell 120, EC-C18

H225 FLAMMABLE LIQUIDS - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

### Poroshell 120, Phe-Hex

H225 FLAMMABLE LIQUIDS - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

### Poroshell 120 Bonus RP

H225 FLAMMABLE LIQUIDS - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

## 2.2 GHS label elements

### Hazard pictograms



### Signal word

: Poroshell 120, EC-C18 Danger  
 Poroshell 120, Phe-Hex Danger  
 Poroshell 120 Bonus RP Danger

### Hazard statements

: Poroshell 120, EC-C18  
**GHS SYMBOL - Flame - Exclamation mark - Health hazard -**  
 H225 - Highly flammable liquid and vapor.  
 H319 - Causes serious eye irritation.  
 H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)

Poroshell 120, Phe-Hex  
**GHS SYMBOL - Flame - Exclamation mark - Health hazard -**  
 H225 - Highly flammable liquid and vapor.  
 H319 - Causes serious eye irritation.  
 H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)

Poroshell 120 Bonus RP  
**GHS SYMBOL - Flame - Exclamation mark - Health hazard -**  
 H225 - Highly flammable liquid and vapor.  
 H319 - Causes serious eye irritation.  
 H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)

## Precautionary statements

### Prevention

: Poroshell 120, EC-C18  
 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.

## Section 2. Hazards identification

	Poroshell 120, Phe-Hex	<p>P242 - Use only non-sparking tools.                  P243 - Take precautionary measures against static discharge.                  P233 - Keep container tightly closed.                  P260 - Do not breathe vapor.                  P264 - Wash hands thoroughly after handling.                  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.                  P260 - Do not breathe vapor.                  P264 - Wash hands thoroughly after handling.                  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.                  P260 - Do not breathe vapor.                  P264 - Wash hands thoroughly after handling.</p>
	Poroshell 120 Bonus RP	<p>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.                  P260 - Do not breathe vapor.                  P264 - Wash hands thoroughly after handling.</p>
<b>Response</b>	: Poroshell 120, EC-C18	<p>P314 - Get medical attention if you feel unwell.                  P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                  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 attention.</p>
	Poroshell 120, Phe-Hex	<p>P314 - Get medical attention if you feel unwell.                  P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                  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 attention.</p>
	Poroshell 120 Bonus RP	<p>P314 - Get medical attention if you feel unwell.                  P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                  P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue</p>

## Section 2. Hazards identification

<b>Storage</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	rinsing. P337 + P313 - If eye irritation persists: Get medical attention.  P403 - Store in a well-ventilated place. P235 - Keep cool. P403 - Store in a well-ventilated place. P235 - Keep cool. P403 - Store in a well-ventilated place. P235 - Keep cool.
<b>Disposal</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	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. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	None known. None known. None known.
<b>2.3 Other hazards</b>		
<b>Hazards not otherwise classified</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	None known. None known. None known.

## Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

<b>Substance/mixture</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article)
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Ingredient name	%	CAS number
<b>Poroshell 120, EC-C18</b> Acetonitrile	≥10 - <25	75-05-8
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	≥10 - <25	75-05-8
<b>Poroshell 120 Bonus RP</b> Acetonitrile	≥10 - <25	75-05-8

Contains: Organosilane bonded silica gel

Note: To the best of our knowledge, the acute and chronic toxicological properties of bonded silica gels have not been investigated. This product contains synthetic amorphous silica, and should not be confused with crystalline silica such as quartz, cristobalite, or tridymite, or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms of silica.

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 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

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	: Poroshell 120, EC-C18	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.
	Poroshell 120, Phe-Hex	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.
	Poroshell 120 Bonus RP	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.
<b>Inhalation</b>	: Poroshell 120, EC-C18	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Poroshell 120, Phe-Hex	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Poroshell 120 Bonus RP	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of

## Section 4. First aid measures

### Skin contact

: Poroshell 120, EC-C18

decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Poroshell 120, Phe-Hex

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Poroshell 120 Bonus RP

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Ingestion

: Poroshell 120, EC-C18

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. 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.

Poroshell 120, Phe-Hex

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. 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.

Poroshell 120 Bonus RP

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

## Section 4. First aid measures

may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. 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

<b>Eye contact</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation.
<b>Inhalation</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No specific data. No specific data. No specific data.

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

## Section 4. First aid measures

<b>Notes to physician</b>	: Poroshell 120, EC-C18	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Poroshell 120, Phe-Hex	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Poroshell 120 Bonus RP	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Specific treatments</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No specific treatment. No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: Poroshell 120, EC-C18	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Poroshell 120, Phe-Hex	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Poroshell 120 Bonus RP	No action shall be taken involving any personal risk or without suitable training. 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

<b>Suitable extinguishing media</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam. Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam. Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Do not use water jet. Do not use water jet. Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	: Poroshell 120, EC-C18	Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
	Poroshell 120, Phe-Hex	Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
	Poroshell 120 Bonus RP	Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.



## Section 5. Fire-fighting measures

### Hazardous thermal decomposition products

: Poroshell 120, EC-C18

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides  
cyanides

Poroshell 120, Phe-Hex

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides  
cyanides

Poroshell 120 Bonus RP

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides  
cyanides

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

: Poroshell 120, EC-C18

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.

Poroshell 120, Phe-Hex

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.

Poroshell 120 Bonus RP

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

: Poroshell 120, EC-C18

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

Poroshell 120, Phe-Hex

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

Poroshell 120 Bonus RP

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

<b>For non-emergency personnel</b>	: Poroshell 120, EC-C18	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.
	Poroshell 120, Phe-Hex	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.
	Poroshell 120 Bonus RP	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.
<b>For emergency responders</b>	: Poroshell 120, EC-C18	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".
	Poroshell 120, Phe-Hex	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".
	Poroshell 120 Bonus RP	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".
<b>6.2 Environmental precautions</b>	: Poroshell 120, EC-C18	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).
	Poroshell 120, Phe-Hex	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).
	Poroshell 120 Bonus RP	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,

## Section 6. Accidental release measures

waterways, soil or air).

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

**Methods for cleaning up** : Poroshell 120, EC-C18

Poroshell 120, Phe-Hex

Poroshell 120 Bonus RP

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.

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.

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

**Protective measures** : Poroshell 120, EC-C18

Poroshell 120, Phe-Hex

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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

## Section 7. Handling and storage

	<p>Poroshell 120 Bonus RP</p>	<p>only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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><b>Advice on general occupational hygiene</b></p>	<p>: Poroshell 120, EC-C18</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.</p>
	<p>Poroshell 120, Phe-Hex</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.</p>
	<p>Poroshell 120 Bonus RP</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.</p>
<p><b>7.2 Conditions for safe storage, including any incompatibilities</b></p>	<p>: Poroshell 120, EC-C18</p> <p>Poroshell 120, Phe-Hex</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. 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. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry,</p>

## Section 7. Handling and storage

Poroshell 120 Bonus RP

cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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. 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. 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.

### 7.3 Specific end use(s)

<b>Recommendations</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not applicable. Not applicable. Not applicable.

## Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<b>Poroshell 120, EC-C18</b> Acetonitrile	<b>ACGIH TLV (United States, 3/2016).</b> <b>Absorbed through skin.</b> TWA: 20 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m <sup>3</sup> 8 hours. STEL: 60 ppm 15 minutes. STEL: 105 mg/m <sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2013).</b> TWA: 20 ppm 10 hours. TWA: 34 mg/m <sup>3</sup> 10 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m <sup>3</sup> 8 hours.
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	<b>ACGIH TLV (United States, 3/2016).</b> <b>Absorbed through skin.</b>

## Section 8. Exposure controls/personal protection

**Poroshell 120 Bonus RP**  
Acetonitrile

TWA: 20 ppm 8 hours.  
**OSHA PEL 1989 (United States, 3/1989).**  
 TWA: 40 ppm 8 hours.  
 TWA: 70 mg/m<sup>3</sup> 8 hours.  
 STEL: 60 ppm 15 minutes.  
 STEL: 105 mg/m<sup>3</sup> 15 minutes.  
**NIOSH REL (United States, 10/2013).**  
 TWA: 20 ppm 10 hours.  
 TWA: 34 mg/m<sup>3</sup> 10 hours.  
**OSHA PEL (United States, 6/2016).**  
 TWA: 40 ppm 8 hours.  
 TWA: 70 mg/m<sup>3</sup> 8 hours.

**ACGIH TLV (United States, 3/2016).**  
**Absorbed through skin.**  
 TWA: 20 ppm 8 hours.  
**OSHA PEL 1989 (United States, 3/1989).**  
 TWA: 40 ppm 8 hours.  
 TWA: 70 mg/m<sup>3</sup> 8 hours.  
 STEL: 60 ppm 15 minutes.  
 STEL: 105 mg/m<sup>3</sup> 15 minutes.  
**NIOSH REL (United States, 10/2013).**  
 TWA: 20 ppm 10 hours.  
 TWA: 34 mg/m<sup>3</sup> 10 hours.  
**OSHA PEL (United States, 6/2016).**  
 TWA: 40 ppm 8 hours.  
 TWA: 70 mg/m<sup>3</sup> 8 hours.

### 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.

#### **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**

## Section 8. Exposure controls/personal 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

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Solid. (containing flammable liquid) Solid. (containing flammable liquid) Solid. (containing flammable liquid)
<b>Color</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	White. White. White.
<b>Odor</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Odor threshold</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>pH</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Melting point</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Boiling point</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Flash point</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Closed cup: -18 to 23°C (-0.4 to 73.4°F) Closed cup: -18 to 23°C (-0.4 to 73.4°F) Closed cup: -18 to 23°C (-0.4 to 73.4°F)
<b>Evaporation rate</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Flammability (solid, gas)</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Contains: Flammable liquid Contains: Flammable liquid Contains: Flammable liquid

## Section 9. Physical and chemical properties

<b>Lower and upper explosive (flammable) limits</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Vapor pressure</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Vapor density</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Relative density</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Solubility</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	Mobile phase: Soluble Stationary phase: Insoluble Mobile phase: Soluble Stationary phase: Insoluble Mobile phase: Soluble Stationary phase: Insoluble
<b>Partition coefficient: n-octanol/water</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Auto-ignition temperature</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Decomposition temperature</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.
<b>Viscosity</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	Not available. Not available. Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	The product is stable. The product is stable. The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Poroshell 120, EC-C18  Poroshell 120, Phe-Hex  Poroshell 120 Bonus RP	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.



## Section 10. Stability and reactivity

<b>10.4 Conditions to avoid</b>	: Poroshell 120, EC-C18	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.
	Poroshell 120, Phe-Hex	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.
	Poroshell 120 Bonus RP	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.
<b>10.5 Incompatible materials</b>	: Poroshell 120, EC-C18	Reactive or incompatible with the following materials: oxidizing materials. Incompatible with hydrogen fluoride.
	Poroshell 120, Phe-Hex	Reactive or incompatible with the following materials: oxidizing materials. Incompatible with hydrogen fluoride.
	Poroshell 120 Bonus RP	Reactive or incompatible with the following materials: oxidizing materials. Incompatible with hydrogen fluoride.
<b>10.6 Hazardous decomposition products</b>	: Poroshell 120, EC-C18	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Poroshell 120, Phe-Hex	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Poroshell 120 Bonus RP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>Poroshell 120, EC-C18</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Poroshell 120 Bonus RP</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

#### Irritation/Corrosion

## Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Poroshell 120, EC-C18</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters 500 milligrams	-
	Skin - Mild irritant	Rabbit	-		-
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters 500 milligrams	-
	Skin - Mild irritant	Rabbit	-		-
<b>Poroshell 120 Bonus RP</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters 500 milligrams	-
	Skin - Mild irritant	Rabbit	-		-

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
<b>Poroshell 120, EC-C18</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver
<b>Poroshell 120 Bonus RP</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver

## Section 11. Toxicological information

### Aspiration hazard

Not available.

<b>Information on the likely routes of exposure</b>	: Poroshell 120, EC-C18	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Poroshell 120, Phe-Hex	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Poroshell 120 Bonus RP	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

<b>Eye contact</b>	: Poroshell 120, EC-C18	Causes serious eye irritation.
	Poroshell 120, Phe-Hex	Causes serious eye irritation.
	Poroshell 120 Bonus RP	Causes serious eye irritation.
<b>Inhalation</b>	: Poroshell 120, EC-C18	No known significant effects or critical hazards.
	Poroshell 120, Phe-Hex	No known significant effects or critical hazards.
	Poroshell 120 Bonus RP	No known significant effects or critical hazards.
<b>Skin contact</b>	: Poroshell 120, EC-C18	No known significant effects or critical hazards.
	Poroshell 120, Phe-Hex	No known significant effects or critical hazards.
	Poroshell 120 Bonus RP	No known significant effects or critical hazards.
<b>Ingestion</b>	: Poroshell 120, EC-C18	No known significant effects or critical hazards.
	Poroshell 120, Phe-Hex	No known significant effects or critical hazards.
	Poroshell 120 Bonus RP	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: Poroshell 120, EC-C18	Adverse symptoms may include the following: pain or irritation watering redness
	Poroshell 120, Phe-Hex	Adverse symptoms may include the following: pain or irritation watering redness
	Poroshell 120 Bonus RP	Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: Poroshell 120, EC-C18	No specific data.
	Poroshell 120, Phe-Hex	No specific data.
	Poroshell 120 Bonus RP	No specific data.
<b>Skin contact</b>	: Poroshell 120, EC-C18	No specific data.
	Poroshell 120, Phe-Hex	No specific data.
	Poroshell 120 Bonus RP	No specific data.
<b>Ingestion</b>	: Poroshell 120, EC-C18	No specific data.
	Poroshell 120, Phe-Hex	No specific data.
	Poroshell 120 Bonus RP	No specific data.

### 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

## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure.
<b>Carcinogenicity</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Developmental effects</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: Poroshell 120, EC-C18 Poroshell 120, Phe-Hex Poroshell 120 Bonus RP	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>Poroshell 120, EC-C18</b>	
Oral	2551 mg/kg
Dermal	5612.2 mg/kg
Inhalation (vapors)	56.12 mg/l
<b>Poroshell 120, Phe-Hex</b>	
Oral	2500 mg/kg
Dermal	5500 mg/kg
Inhalation (vapors)	55 mg/l
<b>Poroshell 120 Bonus RP</b>	
Oral	2500 mg/kg
Dermal	5500 mg/kg
Inhalation (vapors)	55 mg/l

## Section 12. Ecological information

### 12.1 Toxicity

## Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
<b>Poroshell 120, EC-C18</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days
<b>Poroshell 120 Bonus RP</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days

### 12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>Poroshell 120, EC-C18</b> Acetonitrile	-	-	Readily
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	-	-	Readily
<b>Poroshell 120 Bonus RP</b> Acetonitrile	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Poroshell 120, EC-C18</b> Acetonitrile	-0.34	3	low
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	-0.34	3	low
<b>Poroshell 120 Bonus RP</b> Acetonitrile	-0.34	3	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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 cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
<b>Poroshell 120, EC-C18</b> Acetonitrile (I,T)	75-05-8	Listed	U003
<b>Poroshell 120, Phe-Hex</b> Acetonitrile (I,T)	75-05-8	Listed	U003
<b>Poroshell 120 Bonus RP</b> Acetonitrile (I,T)	75-05-8	Listed	U003

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

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

### Regulatory information

**DOT / IMDG / IATA** : Not regulated.

## 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) PAIR: Acetonitrile  
 United States inventory (TSCA 8b): All components are listed or exempted.  
 Clean Water Act (CWA) 307: Acetonitrile

## Section 15. Regulatory information

**Clean Air Act Section 112** : Listed

**(b) Hazardous Air Pollutants (HAPs)**

**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

**Classification** : Fire hazard  
 Immediate (acute) health hazard  
 Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<b>Poroshell 120, EC-C18</b> Acetonitrile	≥10 - <25	Yes.	No.	No.	Yes.	Yes.
<b>Poroshell 120, Phe-Hex</b> Acetonitrile	≥10 - <25	Yes.	No.	No.	Yes.	Yes.
<b>Poroshell 120 Bonus RP</b> Acetonitrile	≥10 - <25	Yes.	No.	No.	Yes.	Yes.

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	<b>Poroshell 120, EC-C18</b> Acetonitrile	75-05-8	≥10 - <25
	<b>Poroshell 120, Phe-Hex</b> Acetonitrile	75-05-8	≥10 - <25
	<b>Poroshell 120 Bonus RP</b> Acetonitrile	75-05-8	≥10 - <25
<b>Supplier notification</b>	<b>Poroshell 120, EC-C18</b> Acetonitrile	75-05-8	≥10 - <25
	<b>Poroshell 120, Phe-Hex</b> Acetonitrile	75-05-8	≥10 - <25
	<b>Poroshell 120 Bonus RP</b> Acetonitrile	75-05-8	≥10 - <25

## Section 15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: ACETONITRILE  
**New York** : The following components are listed: Acetonitrile; Ethanenitrile  
**New Jersey** : The following components are listed: ACETONITRILE; CYANOMETHANE  
**Pennsylvania** : The following components are listed: ACETONITRILE  
**California Prop. 65**

No products were found.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

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

## Section 16. Other information

### History

- Date of issue** : 04/19/2017  
**Date of previous issue** : 07/01/2015.  
**Version** : 2

Indicates information that has changed from previously issued version.

### Notice to reader

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