Conforms to US OSHA Hazard Communication 29CFR1910.1200

# SAFETY DATA SHEET



Bond Elut Carbon S and Bond Elut Jr Carbon S

## 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	: Bond Elut Carbon S and Bond Elut Jr Carbon S
Part no.	: 5610-2078, 5610-2079, 5610-2080, 5610-2081, 5610-2082, 5610-2083
Validation date	: 3/2/2022
1.2 Relevant identified use	s of the substance or mixture and uses advised against
Material uses	: Analytical chemistry. cartridges 5610-2078 Bond Elut Carbon S, 50mg, 1mL, 100/pk 5610-2079 Bond Elut Carbon S, 100mg, 1mL, 100/pk 5610-2080 Bond Elut Jr Carbon S, 250mg, 100/Pk 5610-2081 Bond Elut Jr Carbon S, 400mg, 100/Pk 5610-2082 Bond Elut Carbon S, 250mg, 6mL, 30/pk 5610-2083 Bond Elut Carbon S, 500mg, 6mL, 30/pk

### 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

<b>OSHA/HCS</b>
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: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

status

COMBUSTIBLE DUSTS

2.2 GHS label elements	
Signal word	: Warning
Hazard statements	: May form combustible dust concentrations in air.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	Not applicable.
Supplemental label elements	: Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

# Section 2. Hazards identification

### 2.3 Other hazards

Hazards not otherwise classified

: 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.

Substance/mixture

: Substance (encapsulated in article)

Ingredient name	%	CAS number
Carbon functionalized silica	100	-

Note: 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 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

Eye contact	nediately flush eyes with plenty of water, occasionally lifting the lids. Check for and remove any contact lenses. Continue to ri nutes. Get medical attention if irritation occurs.	
Inhalation	move victim to fresh air and keep at rest in a position comfortal breathing, if breathing is irregular or if respiratory arrest occurs piration or oxygen by trained personnel. It may be dangerous t to give mouth-to-mouth resuscitation. Get medical attention if sist or are severe. If unconscious, place in recovery position a ention immediately. Maintain an open airway. Loosen tight clot belt or waistband.	s, provide artificial o the person providing adverse health effects nd get medical
Skin contact	sh contaminated skin with plenty of water. Remove contamina bes. Get medical attention if symptoms occur. Wash clothing b bes thoroughly before reuse.	
Ingestion	ish out mouth with water. Remove dentures if any. If material d the exposed person is conscious, give small quantities of water bosed person feels sick as vomiting may be dangerous. Do not ess directed to do so by medical personnel. If vomiting occurs, of low so that vomit does not enter the lungs. Get medical atter ects persist or are severe. Never give anything by mouth to an inconscious, place in recovery position and get medical attentio intain an open airway. Loosen tight clothing such as a collar, ti	er to drink. Stop if the induce vomiting the head should be ition if adverse health unconscious person. n immediately.

#### 4.2 Most important symptoms/effects, acute and delayed

Potential acute h	alth effects
Eye contact	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Inhalation	: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: No known significant effects or critical hazards.
Date of issue :	03/02/2022 2/11

## Section 4. First aid measures

Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>otoms</u>
Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.
4.3 Indication of immediate	medical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: 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

: Use dry chemical powder.
: Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
rom the substance or mixture
: May form explosible dust-air mixture if dispersed.
: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
: 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.
: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency	: No action shall be taken involving any personal risk or without suitable training.
personnel	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 dust. Provide adequate
	ventilation. Wear appropriate respirator when ventilation is inadequate. Put on
	appropriate personal protective equipment.

## Section 6. Accidental release measures

For emergency responders	:	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".
6.2 Environmental precautions	:	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).
6.3 Methods and materials for	r c	ontainment and cleaning up
Methods for cleaning up	:	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

# Section 7. Handling and storage

### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: 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. See Section 10 for incompatible materials before handling or use.
7.3 Specific end use(s) Recommendations	: Industrial applications, Professional applications.
Industrial sector specific solutions	: Not available.

# 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	
Carbon functionalized silica	ACGIH TLV (United States).Particulates Not Otherwise Specified (PNOS):10 mg/m³ Form: InhalableParticulates Not Otherwise Specified (PNOS):3 mg/m³ Form: Respirable.OSHA PEL (United States).Particulates Not Otherwise Specified (PNOS):5 mg/m³ Form: Respirable fractionParticulates Not Otherwise Specified (PNOS):15 mg/m³ Form: Total dust	

8.2 Exposure controls		
Appropriate engineering controls	:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, 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 measur	<u>es</u>	
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: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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.

# Section 8. Exposure controls/personal protection

#### **Respiratory protection**

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

### Section 9. Physical and chemical properties and safety characteristics

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

Appearance	
Physical state	: Solid. [Powder.]
Color	: Black.
Odor	: Odorless.
Odor threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: Not available.
	· Net overlight
Flash point	<ul> <li>Not applicable.</li> <li>Not available.</li> </ul>
Evaporation rate	
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not applicable.
Vapor pressure	: Not available.
Relative vapor density	: Not applicable.
Relative density	: Not available.
Solubility	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: Not available.
Viscosity	: Not applicable.
Particle characteristics	
Median particle size	: Not available.
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# Section 10. Stability and reactivity

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10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials	
10.4 Conditions to avoid	: Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.	То
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
10.2 Chemical stability	: The product is stable.	
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients	3.

# Section 10. Stability and reactivity

10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Section 11. Toxic	cological information
11.1 Information on toxicol	logical effects
Acute toxicity	
Not available.	
Conclusion/Summary	: To the best of our knowledge, the toxicological properties of this substance have not been thoroughly investigated.
Irritation/Corrosion Not available.	
<b>Sensitization</b>	
Not available.	
<b>Mutagenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
<b>Carcinogenicity</b>	
<b>Conclusion/Summary</b>	: Not available.
Reproductive toxicity	
<b>Conclusion/Summary</b>	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.
Conclusion/Summary Specific target organ toxic	
Specific target organ toxic Not available.	<u>city (single exposure)</u>
Specific target organ toxic	<u>city (single exposure)</u>
Specific target organ toxic Not available. Specific target organ toxic	<u>city (single exposure)</u>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available.	<u>city (single exposure)</u>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard	city (single exposure) city (repeated exposure) : Not available.
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure	<pre>city (single exposure) city (repeated exposure)</pre>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect	<ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Not available.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits</li> </ul>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect Eye contact	<pre>city (single exposure) city (repeated exposure)  : Not available. :sts : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</pre>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect Eye contact Inhalation	<ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Not available.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.</li> </ul>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect Eye contact Inhalation Skin contact Ingestion	<ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>i Not available.</li> <li>i Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</li> <li>i Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.</li> <li>i No known significant effects or critical hazards.</li> <li>i No known significant effects or critical hazards.</li> <li>hysical, chemical and toxicological characteristics</li> </ul>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect Eye contact Inhalation Skin contact Ingestion	<ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>i Not available.</li> <li>cits</li> <li>i Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</li> <li>i Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.</li> <li>i No known significant effects or critical hazards.</li> <li>i No known significant effects or critical hazards.</li> </ul>
Specific target organ toxic Not available. Specific target organ toxic Not available. Aspiration hazard Not available. Information on the likely routes of exposure Potential acute health effect Eye contact Inhalation Skin contact Ingestion	<ul> <li>city (single exposure)</li> <li>city (repeated exposure)</li> <li>: Not available.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.</li> <li>: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.</li> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> <li>: No known significant effects or critical hazards.</li> <li>: Adverse symptoms may include the following: irritation</li> </ul>

# Section 11. Toxicological information

Ingestion

: No specific data.

<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	<u>ect</u>	<u>s</u>
General	1	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.

#### Numerical measures of toxicity

Acute toxicity estimates

N/A

# Section 12. Ecological information

### 12.1 Toxicity

Not available.

#### **Conclusion/Summary**

: To the best of our knowledge, the ecotoxicological properties of this substance have not been thoroughly investigated.

#### **12.2 Persistence and degradability**

Not available.

#### **12.3 Bioaccumulative potential**

Not available.

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

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

# Section 14. Transport information

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.

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

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 : Not available. to IMO instruments

# Section 15. Regulatory information

15.1 Safety, health and envir	onmental regulations/legislation specific for the substance or mixture
U.S. Federal regulations	: TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
Date of issue : 03/02/2	022

# Section 15. Regulatory information

### SARA 302/304

### **Composition/information on ingredients**

No products were found.

### SARA 304 RQ

: Not applicable.

### SARA 311/312

Classification

#### : COMBUSTIBLE DUSTS

### Composition/information on ingredients

Name	%	Classification
Carbon functionalized silica	100	COMBUSTIBLE DUSTS

### State regulations

Massachusetts	: This material is not listed.
New York	: This material is not listed.
New Jersey	: This material is not listed.
Pennsylvania	: This material is not listed.

#### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

<b>Chemical Weapon Con</b>	vention List Schedule	es I, II & III Chemicals
Not listed.		

#### **Montreal Protocol**

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### Inventory list

Australia	: This material is listed or exempted.
Canada	: This material is listed or exempted.
China	: This material is listed or exempted.
Europe	: This material is listed or exempted.
Japan	: Japan inventory (CSCL): This material is listed or exempted. Japan inventory (ISHL): This material is listed or exempted.
New Zealand	: This material is listed or exempted.
Philippines	: Not determined.
Republic of Korea	: This material is listed or exempted.
Taiwan	: This material is listed or exempted.
Thailand	: Not determined.
Turkey	: This material is listed or exempted.
United States	: This material is active or exempted.
Viet Nam	: Not determined.

# Section 16. Other information

### Procedure used to derive the classification

	Classification	Justification
COMBUSTIBLE DUSTS		On basis of test data
History		
Date of issue	: 03/02/2022	
Date of previous issue	: No previous validation	
Version	: 1	
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations</li> </ul>	

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

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