
SAFETY DATA SHEET
Polaris LC Columns with less than 10ml solvent

SECTION 1: Identification of the substance/mixture and of the company/undertaking

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: Polaris LC Columns with less than 10ml solvent

Part no.

Date of issue/Date of revision: 24/07/2018

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A2031150X046, A2031250X020, A2031250X030, A2031250X046, A2031MG2, A2040100X020, A2040MG, A2040MG2, CP914682

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

Material uses

<table>
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</table>

SECTION 1: Identification of the substance/mixture and of the company/undertaking

A2000MG2  MetaGuard 2.0mm Polaris 5 C18-A  0.03ml
A2001020X020  Polaris 3 C18-A 20 x 2.0mm  0.06ml
A2001030X020  Polaris 3 C18-A 30 x 2.0mm  0.1ml
A2001030X030  Polaris 3 C18-A 30 x 3.0mm  0.2ml
A2001030X046  Polaris 3 C18-A 30 x 4.6mm  0.5ml
A2001050C046  Polaris 3 C18-A, S50x4.6 Col  0.8ml
A2001050P046  Polaris 3 C18-A 50 x 4.6mm  0.8ml
A2001050R046  Polaris 3 C18-A, S50x4.6 Repl.3  0.8ml
A2001050T046  Polaris 3 C18-A, S50x4.6 Repl.3  0.8ml
A2001050X010  Polaris 3 C18-A 50 x 1.0mm  0.04ml
A2001050X020  Polaris 3 C18-A 50 x 2.0mm  0.2ml
A2001050X030  Polaris 3 C18-A 50 x 3.0mm  0.4ml
A2001050X046  Polaris 3 C18-A 50 x 4.6mm  0.8ml
A2001075X046  Polaris 3 C18-A 75 x 4.6mm  1.2ml
A2001100C030  Polaris 3 C18-A, S100x3.0 Col  0.7ml
A2001100C046  Polaris 3 C18-A, S100x4.6 Col  1.7ml
A2001100T030  Polaris 3 C18-A, S100x3.0 Repl.3  0.7ml
A2001100T046  Polaris 3 C18-A, S100x4.6 Repl.3  1.7ml
A2001100X010  Polaris 3 C18-A 100 x 1.0mm  0.08ml
A2001100X020  Polaris 3 C18-A 100 x 2.0mm  0.3ml
A2001100X030  Polaris 3 C18-A 100 x 3.0mm  0.7ml
A2001100X046  Polaris 3 C18-A 100 x 4.6mm  1.7ml
A2001115C030  Polaris 3 C18-A, S150x3.0 Col  1.1ml
A2001115C046  Polaris 3 C18-A, S150x4.6 Col  2.5ml
A2001115R030  Polaris 3 C18-A, S150x3.0 Repl.3  1.1ml
A2001115R046  Polaris 3 C18-A, S150x4.6 Repl.3  2.5ml
A2001115T030  Polaris 3 C18-A, S150x3.0 Repl.3  1.1ml
A2001115T046  Polaris 3 C18-A, S150x4.6 Repl.3  2.5ml
A2001115X010  Polaris 3 C18-A 150 x 1.0mm  0.1ml
A2001115X020  Polaris 3 C18-A 150 x 2.0mm  0.5ml
A2001115X030  Polaris 3 C18-A 150 x 3.0mm  1.1ml
A2001115X046  Polaris 3 C18-A 150 x 4.6ml  2.5ml
A2001125C046  Polaris 3 C18-A, S250x4.6 Col  4.2ml
A2001125R046  Polaris 3 C18-A, S250x4.6 Repl.3  4.2ml
A2001125X020  Polaris 3 C18-A 250 x 2.0mm  0.8ml
A2001125X030  Polaris 3 C18-A 250 x 3.0mm  1.8ml
A2001125X046  Polaris 3 C18-A 250 x 4.6ml  4.2ml
A20011MG  MetaGuard 4.6mm Polaris 3 C18-A  0.2ml
A20011MG1  MetaGuard 1.0mm Polaris 3 C18-A  0.01ml
A20011MG2  MetaGuard 2.0mm Polaris 3 C18-A  0.03ml
A2002030G046  Polaris 10u C18-A 30 x 4.6mm GUARD  0.5ml
A2002050G100  Polaris 10u C18-A 50 x 10.0mm Guard  3.9ml
A2002250X046  Polaris 10 C18-A 250 x 4.6mm  4.2ml
A2002300X039  Polaris 10 C18-A 300 x 3.9mm  3.6ml
A20022MG  MetaGuard 4.6mm Polaris 10u C18-A  0.2ml
A20022MG2  MetaGuard 2.1mm Polaris 10U C18-A  0.03ml
A2006020X020  Polaris 5 Amide-C18 20 x 2.0mm  0.06ml
A2006030X020  Polaris 5 Amide-C18 30 x 2.0mm  0.1ml
A2006050G100  Polaris 5 Amide-C18 50 X 10.0mm Guard  3.9ml
A2006050X020  Polaris 5 Amide-C18 50 x 2.0mm  0.2ml
A2006050X046  Polaris 5 Amide-C18 50 x 4.6mm  0.8ml
A2006100X020  Polaris 5 Amide-C18 100 x 2.0mm  0.3ml
A2006100X030  Polaris 5 Amide-C18 100 x 3.0mm  0.7ml
A2006125X040  Polaris 5 Amide-C18 125 x 4.0mm  1.6ml
A2006150X020  Polaris 5 Amide-C18 150 x 2.0mm  0.5ml
A2006150X030  Polaris 5 Amide-C18 150 x 3.0mm  1.1ml
A2006150X040  Polaris 5 Amide-C18 150 x 4.0mm  1.9ml
A2006150X046  Polaris 5 Amide-C18 150 x 4.6mm  2.5ml
A2006200X046  Polaris 5 Amide-C18 200 x 4.6mm  3.3ml
A2006250C046S  Polaris 5 Amide-C18 250 x 4.6mm Col  4.2ml
Polaris LC Columns with less than 10ml solvent

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A2006250X020 Polaris 5 Amide-C18 250 x 2.0mm 0.8ml
A2006250X030 Polaris 5 Amide-C18 250 x 3.0mm 1.8ml
A2006250X040 Polaris 5 Amide-C18 250 x 4.0mm 3.1ml
A2006250X046 Polaris 5 Amide-C18 250 x 4.6mm 4.2ml
A2006MG Polaris 5 Amide-C18 4.6mm MetaGuard 0.2ml
A2006MG2 Polaris 5 Amide-C18 2.0mm MetaGuard 0.03ml
A200720X020 Polaris 3 Amide-C18 20 x 2.0mm 0.06ml
A200730X030 Polaris 3 Amide-C18 30 x 3.0mm 0.2ml
A200750X020 Polaris 3 Amide-C18 50 x 2.0mm 0.2ml
A200750X021 Polaris 3 Amide-C18 50 x 2.1mm 0.2ml
A200750X030 Polaris 3 Amide-C18 50 x 3.0mm 0.4ml
A200750X032 Polaris 3 Amide-C18 50 x 3.2mm 0.4ml
A200750X046 Polaris 3 Amide-C18 50 x 4.6mm 0.8ml
A200750X100 Polaris 3 Amide-C18 50 X 10.0mm 3.9ml
A2007100X020 Polaris 3 Amide-C18 100 x 2.0mm 0.3ml
A2007100X021 Polaris 3 Amide-C18 100 x 2.1mm 0.3ml
A2007100X030 Polaris 3 Amide-C18 100 x 3.0mm 0.7ml
A2007100X046 Polaris 3 Amide-C18 100 x 4.6ml 1.7ml
A2007150X020 Polaris 3 Amide-C18 150 x 2.0mm 0.5ml
A2007150X021 Polaris 3 Amide-C18 150 x 2.1ml 0.5ml
A2007150X030 Polaris 3 Amide-C18 150 x 3.0mm 1.1ml
A2007150X032 Polaris 3 Amide-C18 150 x 3.2mm 1.2ml
A2007150X046 Polaris 3 Amide-C18 150 x 4.6ml 2.5ml
A2007250X020 Polaris 3 Amide-C18 250 x 2.0mm 0.8ml
A2007250X030 Polaris 3 Amide-C18 250 x 3.0mm 1.8ml
A2007250X046 Polaris 3 Amide-C18 250 x 4.6ml 4.2ml
A2007MG Polaris 3 Amide-C18 4.6mm MetaGuard 0.2ml
A2007MG2 Polaris 3 Amide-C18 2.0mm MetaGuard 0.03ml
A2008050G100 Polaris 10 Amide-C18 50 X 10.0mm Guard 3.9ml
A2008250X046 Polaris 10 Amide-C18 250 x 4.6ml 4.2ml
A2008300X039 Polaris 10 Amide-C18 300 x 3.9mm 3.6ml
A2008MG2 Polaris 10 Amide-C18 2.0mm MetaGuard 0.03ml
A2010020X020 Polaris 5 C8-A 20 x 2.0mm 0.06ml
A2010030X020 Polaris 5 C8-A 30 x 2.0mm 0.1ml
A2010050G100 Polaris 5 C8-A 50 X 10.0mm Guard 3.9ml
A2010050X020 Polaris 5 C8-A 50 x 2.0mm 0.2ml
A2010050X046 Polaris 5 C8-A 50 x 4.6mm 0.8ml
A2010100X020 Polaris 5 C8-A 100 x 2.0mm 0.3ml
A2010100X030 Polaris 5 C8-A 100 x 3.0mm 0.7ml
A2010100X046 Polaris 5 C8-A 100 x 4.6mm 1.7ml
A2010125X040 Polaris 5 C8-A 125 x 4.0mm 1.6ml
A2010125X046 Polaris 5 C8-A 125 x 4.6mm 2.1ml
A2010150X020 Polaris 5 C8-A 150 x 2.0mm 0.5ml
A2010150X021 Polaris 5 C8-A 150 x 2.1ml 0.5ml
A2010150X030 Polaris 5 C8-A 150 x 3.0ml 1.1ml
A2010150X040 Polaris 5 C8-A 150 x 4.0ml 1.9ml
A2010150X046 Polaris 5 C8-A 150 x 4.6ml 2.5ml
A2010250X020 Polaris 5 C8-A 250 x 2.0mm 0.8ml
A2010250X030 Polaris 5 C8-A 250 x 3.0mm 1.8ml
A2010250X040 Polaris 5 C8-A 250 x 4.0mm 3.1ml
A2010250X046 Polaris 5 C8-A 250 x 4.6mm 4.2ml
A2010MG MetaGuard 4.6mm Polaris C8-A 5u 0.2ml
A2010MG2 MetaGuard 2.0mm Polaris C8-A 5u 0.03ml
A2011020X020 Polaris 3 C8-A 20 x 2.0mm 0.06ml
A2011030X030 Polaris 3 C8-A 30 x 3.0mm 0.2ml
A2011050X020 Polaris 3 C8-A 50 x 2.0mm 0.2ml
A2011050X021 Polaris 3 C8-A 50 x 2.1ml 0.2ml
A2011050X046 Polaris 3 C8-A 50 x 4.6mm 0.8ml
A2011075X046 Polaris 3 C8-A 75 x 4.6mm 1.2ml
A2011100X020 Polaris 3 C8-A 100 x 2.0mm 0.3ml
Polaris LC Columns with less than 10ml solvent

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A2011100X030  Polaris 3 C8-A 100 x 3.0mm  0.7ml
A2011100X046  Polaris 3 C8-A 100 x 4.6mm  1.7ml
A2011150X020  Polaris 3 C8-A 150 x 2.0mm  0.5ml
A2011150X021  Polaris 3 C8-A 150 x 2.1mm  0.5ml
A2011150X030  Polaris 3 C8-A 150 x 3.0mm  1.1ml
A2011150X046  Polaris 3 C8-A 150 x 4.6mm  2.5ml
A2011250X020  Polaris 3 C8-A 250 x 2.0mm  0.8ml
A2011250X030  Polaris 3 C8-A 250 x 3.0mm  1.8ml
A2011MG   MetaGuard 4.6mm Polaris C8-A 3u  0.2ml
A2011MG2  MetaGuard 2.0mm Polaris C8-A 3u  0.03ml
A2020020X020  Polaris 5 C18-Ether 20 x 2.0mm  0.06ml
A2020030X020  Polaris 5 C18-Ether0 20 x 2.0mm  0.1ml
A2020050G100  Polaris C18-Ether 5u 50 x 10.0mm Guard  3.9ml
A2020050X020  Polaris 5 C18-Ether 50 x 2.0mm  0.2ml
A2020050X046  Polaris 5 C18-Ether 50 x 4.6mm  0.8ml
A2020100X020  Polaris 5 C18-Ether 100 x 2.0mm  0.3ml
A2020100X030  Polaris 5 C18-Ether 100 x 3.0mm  0.7ml
A2020100X046  Polaris 5 C18-Ether 100 x 4.6mm  1.7ml
A2020125X040  Polaris 5 C18-Ether 125 x 4.0mm
A2020150X020  Polaris 5 C18-Ether 150 x 2.0mm  0.5ml
A2020150X030  Polaris 5 C18-Ether 150 x 3.0mm  1.1ml
A2020150X039  Polaris 5 C18-Ether 150 x 3.9mm
A2020150X040  Polaris 5 C18-Ether 150 x 4.0mm
A2020150X046  Polaris 5 C18-Ether 150 x 4.6mm
A2020250X020  Polaris 5 C18-Ether 250 x 2.0mm
A2020250X030  Polaris 5 C18-Ether 250 x 3.0mm  1.8ml
A2020250X040  Polaris 5 C18-Ether 250 x 4.0mm
A2020250X046  Polaris 5 C18-Ether 250 x 4.6mm
A2020MG   MetaGuard 4.6mm Polaris C18-Ether 5u  0.2ml
A2020MG2  MetaGuard 2.0mm Polaris C18-Ether 5u  0.03ml
A2021020X020  Polaris 3 C18-Ether 20 x 2.0mm  0.06ml
A2021020X040  Polaris 3 C18-Ether 20 x 4.0mm  0.3ml
A2021030X020  Polaris 3 C18-Ether0 20 x 2.0mm  0.1ml
A2021030X030  Polaris 3 C18-Ether 30 x 3.0mm  0.2ml
A2021050P021  Polaris 3 C18-Ether 50 x 2.1mm  0.2ml
A2021050P046  Polaris 3 C18-Ether 50 x 4.6mm  0.8ml
A2021050X020  Polaris 3 C18-Ether 50 x 2.0mm  0.2ml
A2021050X021  Polaris 3 C18-Ether 50 x 2.1mm  0.2ml
A2021050X030  Polaris 3 C18-Ether 50 x 3.0mm  0.4ml
A2021050X032  Polaris 3 C18-Ether 50 x 3.2mm  0.4ml
A2021050X046  Polaris 3 C18-Ether 50 x 4.6mm  0.8ml
A2021050X100  Polaris 3 C18-Ether 3u 50 x 10.0mm  3.9ml
A2021075X020  Polaris 3 C18-Ether 75 x 2.0mm  0.2ml
A2021100X020  Polaris 3 C18-Ether 100 x 2.0mm  0.3ml
A2021100X030  Polaris 3 C18-Ether 100 x 3.0mm  0.7ml
A2021100X040  Polaris 3 C18-Ether 100 x 4.0mm  1.3ml
A2021100X046  Polaris 3 C18-Ether 100 x 4.6mm  1.7ml
A2021150X10  Polaris 3 C18-Ether 150 x 1.0mm  0.1ml
A2021150X100  Polaris 3 C18-Ether 150 x 2.0mm  0.5ml
A2021150X101  Polaris 3 C18-Ether 150 x 2.1mm  0.7ml
A2021150X104  Polaris 3 C18-Ether 150 x 4.6mm  2.5ml
A2021250X10  Polaris 3 C18-Ether 250 x 1.0mm  0.2ml
A2021250X20  Polaris 3 C18-Ether 250 x 2.0mm  0.8ml
A2021250X21  Polaris 3 C18-Ether 250 x 2.1mm  0.9ml
A2021250X30  Polaris 3 C18-Ether 250 x 3.0mm  1.8ml
A2021250X46  Polaris 3 C18-Ether 250 x 4.6mm  4.2ml
A2021MG   MetaGuard 4.6mm Polaris C18-Ether 3u  0.2ml
A2021MG2  MetaGuard 2.0mm Polaris C18-Ether 3u  0.03ml
A2030020X020  Polaris 5 C8-Ether 20 x 2.0mm  0.06ml
A2030030X020  Polaris 5 C8-Ether 30 x 2.0mm  0.1ml
Polaris LC Columns with less than 10ml solvent

SECTION 1: Identification of the substance/mixture and of the company/undertaking

A2030050G100  Polaris C8-Ether 5u 50 x 10.0mm Guard  3.9ml
A2030050X020  Polaris 5 C8-Ether 50 x 2.0mm  0.2ml
A2030050X046  Polaris 5 C8-Ether 50 x 4.6mm  0.8ml
A2030100X020  Polaris 5 C8-Ether 100 x 2.0mm  0.3ml
A2030100X030  Polaris 5 C8-Ether 100 x 3.0mm  0.7ml
A2030100X046  Polaris 5 C8-Ether 100 x 4.6mm  1.7ml
A2030125X040  Polaris 5 C8-Ether 125 x 4.0mm  1.6ml
A2030150X020  Polaris 5 C8-Ether 150 x 2.0mm  0.5ml
A2030150X030  Polaris 5 C8-Ether 150 x 3.0mm  1.1ml
A2030150X039  Polaris 5 C8-Ether 150 x 3.9mm  1.8ml
A2030150X040  Polaris 5 C8-Ether 150 x 4.0mm  1.9ml
A2030150X046  Polaris 5 C8-Ether 150 x 4.6mm  2.5ml
A2030250X020  Polaris 5 C8-Ether 250 x 2.0mm  0.8ml
A2030250X030  Polaris 5 C8-Ether 250 x 3.0mm  1.8ml
A2030250X040  Polaris 5 C8-Ether 250 x 4.0mm  3.1ml
A2030MG      MetaGuard 4.6mm Polaris C8-Ether 5u  0.2ml
A2031020X020  Polaris 3 C8-Ether 20 x 2.0mm  0.06ml
A2031030X020  Polaris 3 C8-Ether 30 x 2.0mm  0.1ml
A2031030X030  Polaris 3 C8-Ether 30 x 3.0mm  0.2ml
A2031050X020  Polaris 3 C8-Ether 50 x 2.0mm  0.2ml
A2031050X021  Polaris 3 C8-Ether 50 x 2.1mm  0.2ml
A2031050X030  Polaris 3 C8-Ether 50 x 3.0mm  0.4ml
A2031050X046  Polaris 3 C8-Ether 50 x 4.6mm  0.8ml
A2031075X046  Polaris 3 C8-Ether 75 x 4.6mm  1.2ml
A2031100X020  Polaris 3 C8-Ether 100 x 2.0mm  0.3ml
A2031100X046  Polaris 3 C8-Ether 100 x 4.6mm  1.7ml
A2031150X020  Polaris 3 C8-Ether 150 x 2.0mm  0.5ml
A2031150X021  Polaris 3 C8-Ether 150 x 2.1mm  0.5ml
A2031150X046  Polaris 3 C8-Ether 150 x 4.6mm  2.5ml
A2031250X020  Polaris 3 C8-Ether 250 x 2.0mm  0.8ml
A2031250X030  Polaris 3 C8-Ether 250 x 3.0mm  1.8ml
A2031250X046  Polaris 3 C8-Ether 250 x 4.6mm  4.2ml
A2031MG2     MetaGuard 2.0mm Polaris C8-Ether 3u  0.03ml
A2040100X020  Polaris 5 C18-B 100 x 2.0mm  0.3ml
A2040MG      MetaGuard 4.6mm Polaris 5 C18-B  0.2ml
A2040MG2     MetaGuard 2.0mm Polaris 5 C18-B  0.03ml
CP914682     Polaris 3 C18-Ether 250 x 2.0mm  0.8ml

1.3 Details of the supplier of the safety data sheet
Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000
e-mail address of person  :  pdl-msds_author@agilent.com
responsible for this SDS

1.4 Emergency telephone number
Emergency telephone number (with hours of operation)  :  CHEMTREC®: +(44)-870-8200418

Date of issue/Date of revision  :  24/07/2018
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

Product definition : Mixture (encapsulated in article)

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] : 
H225 FLAMMABLE LIQUIDS - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :

Signal word : Danger
Hazard statements : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.

Precautionary statements

Prevention : P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response : P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Storage : Not applicable.
Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Tactile warning of danger : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : 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.

3.1 Substances

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Type</th>
</tr>
</thead>
</table>

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.

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.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[5] Substance of equivalent concern
[6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: 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: 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 if adverse health effects persist or are severe. 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.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: 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 if adverse health effects persist or are severe. 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.

Date of issue/Date of revision: 24/07/2018
SECTION 4: First aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- **Eye contact**: Causes serious eye irritation.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: No known significant effects or critical hazards.
- **Ingestion**: No known significant effects or critical hazards.

Over-exposure signs/symptoms

- **Eye contact**: Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- **Inhalation**: No specific data.
- **Skin contact**: No specific data.
- **Ingestion**: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: 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.

Specific treatments: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media**: Use dry chemical, CO₂, water spray (fog) or foam.
- **Unsuitable extinguishing media**: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- **Hazards from the substance or mixture**: 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.
- **Hazardous combustion products**: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - metal oxide/oxides
  - cyanides

5.3 Advice for firefighters

- **Special precautions for fire-fighters**: 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 firefighters**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: 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: 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".

6.2 Environmental precautions: 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).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: 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.

6.4 Reference to other sections: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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 vapour or mist. 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.

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

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

Danger criteria
SECTION 7: Handling and storage

<table>
<thead>
<tr>
<th>Category</th>
<th>Notification and MAPP threshold</th>
<th>Safety report threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>P5c</td>
<td>5000</td>
<td>50000</td>
</tr>
</tbody>
</table>

7.3 Specific end use(s)

Recommendations

Industrial sector specific solutions: Not applicable.

Industrial applications, Professional applications.

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

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011).</td>
</tr>
<tr>
<td></td>
<td>STEL: 102 mg/m³ 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>STEL: 60 ppm 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>TWA: 40 ppm 8 hours.</td>
</tr>
<tr>
<td></td>
<td>TWA: 68 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

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

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.

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SECTION 8: Exposure controls/personal protection

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

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

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

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.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Physical state: Solid. (containing flammable liquid)
Colour: White.
Odour: Not available.
Odour threshold: Not available.

pH: Neutral.
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.
Flash point: Closed cup: -18 to 23°C
Evaporation rate: Not available.
Flammability (solid, gas): Contains: Flammable liquid

Upper/lower flammability or explosive limits: Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: Not available.
Solubility(ies): Mobile phase: Soluble Stationary phase: Insoluble
Partition coefficient: n-octanol/water: Not available.

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SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

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.

10.5 Incompatible materials

Reactive or incompatible with the following materials:
- oxidizing materials
- Incompatible with hydrogen fluoride.

10.6 Hazardous decomposition products

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**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>LC50 Inhalation Vapour</td>
<td>Rat</td>
<td>17100 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2460 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**Acute toxicity estimates**

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>2083.3 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>4583.3 mg/kg</td>
</tr>
<tr>
<td>Inhalation (vapours)</td>
<td>45.83 mg/l</td>
</tr>
</tbody>
</table>

**Irritation/Corrosion**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 100 microliters</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitiser**

Conclusion/Summary: Not available.

**Mutagenicity**

Conclusion/Summary: Not available.

**Carcinogenicity**

Conclusion/Summary: Not available.

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### SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>Conclusion/Summary</th>
<th>: Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity</td>
<td></td>
</tr>
<tr>
<td>Conclusion/Summary</td>
<td>: Not available.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td></td>
</tr>
<tr>
<td>Conclusion/Summary</td>
<td>: Not available.</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not available.</td>
</tr>
<tr>
<td>Information on likely routes of exposure</td>
<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
</tr>
</tbody>
</table>

#### Potential acute health effects

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>: No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>: No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>: Causes serious eye irritation.</td>
</tr>
</tbody>
</table>

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

| Inhalation | : No specific data. |
| Ingestion  | : No specific data. |
| Skin contact | : No specific data. |
| Eye contact | : Adverse symptoms may include the following: pain or irritation, watering, redness |

#### 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 | : No known significant effects or critical hazards. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity  | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects  | : No known significant effects or critical hazards. |

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SECTION 12: Ecological information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>Acute IC50 3685000 µg/l Fresh water</td>
<td>Aquatic plants - Lemma minor</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 3600000 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1000000 µg/l Fresh water</td>
<td>Fish - Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1000000 µg/l Fresh water</td>
<td>Aquatic plants - Lemma minor</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 160000 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>21 days</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Not available.

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Log(P_{ow})</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetonitrile</td>
<td>-0.34</td>
<td>3</td>
<td>low</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Soil/water partition coefficient (K(OC))</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>PBT</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>vPvB</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

12.6 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Product</th>
<th>Methods of disposal</th>
<th>Hazardous waste</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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.</td>
<td>The classification of the product may meet the criteria for a hazardous waste.</td>
<td>The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Methods of disposal</td>
</tr>
<tr>
<td></td>
<td>Special precautions</td>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

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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.

ADR/RID / IMDG / IATA : Not regulated.

Additional information

Remarks: Special provisions
ADR: 216
IATA: A46
IMDG: 216

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV
None of the components are listed.

Substances of very high concern
None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air

: Listed

Industrial emissions (integrated pollution prevention and control) - Water

: Listed

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive
This product is controlled under the Seveso Directive.

Danger criteria

Category

5c

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SECTION 15: Regulatory information

Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments might still be required.

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: 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: All components are listed or exempted.
Philippines: Not determined.
Republic of Korea: Not determined.
Taiwan: All components are listed or exempted.
Thailand: Not determined.
Turkey: All components are listed or exempted.
United States: All components are listed or exempted.
Viet Nam: Not determined.

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 2, H225</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Full text of abbreviated H statements

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**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
</tbody>
</table>

**Full text of classifications [CLP/GHS]**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4, H302</td>
<td>ACUTE TOXICITY (oral) - Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4, H312</td>
<td>ACUTE TOXICITY (dermal) - Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4, H332</td>
<td>ACUTE TOXICITY (inhalation) - Category 4</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 2, H225</td>
<td>FLAMMABLE LIQUIDS - Category 2</td>
</tr>
</tbody>
</table>

**Notice to reader**

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