

(-)-Camphanic acid Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 10/2/2019 Version: 1.0

1.1. Product identifier         Product form       Substance         Substance name       : (-)Camphanic acid         UPAC name       : (S, RP4, 47, 77, 17methyl-3cox2-oxabicyclo[2.1])eptane-1-carboxylic acid         EC-No.       : 236:552.6         CAS-No.       : 13429-83-9         Product code       : 71783403         Formula       : 01011404         Product group       :: Raw matrial         1.2.1. Relevant identified uses of the substance or mixture and uses advised against       1.2.1.         1.2.1. Relevant identified uses of the substance or mixture and uses advised against       1.2.1.         1.2.1. Relevant identified uses of the substance or mixture and uses advised against       1.3.         1.2.1. Relevant identified uses of the substance or mixture and uses of use of use substance/mixture	SECTION 1: Identification of the substa	nce/mixture and of the company/undertaking
Substance name       : ()Gmphanic acid         UPAC name       : (SARP,4,7,4rimelyt-3-oxo-2-oxabicyclo[2.2.1]heptane-1-carboxylic acid         EC-No.       : 236-552-6         CAS-No.       : 13429-39-9         Product code       : 71733403         Formula       : 10411404         Product code       : 71733403         Formula       : 10411404         Substance       or makture and uses advised against         1.2. Relevant identified uses of the substance or mixture and uses advised against       industrial/information available         1.3. Relevant identified uses       : Exboratory use.Industrial use.Professional use         industrial/Professional uses spee       : For professional use on viserinary purposes.         Scientific research and development Nut for human consumption or veterinary purposes.         1.3. Details of the subptier of the safety data sheet         Scientific research and development Nut for human consumption or veterinary purposes.         Scientific research and development Nut for human consumption or veterinary purposes.         Scientific research and development Nut for human consumption or veterinary purposes.         Scientific research and development Nut for human consumption or veterinary purposes.         Scientific research and development Nut for human consumption or veterinary purposes.         Scidel Organios Molekul Ld		,
IUPA came (IS 49,4 7,7 trimetryk-3-coco-2-oxabicydcj2.2 ()peptane-1-carboxylic add EC-No. 236-5526 CAS-No. 13429-83-3 Product code T 7173403 Constraint of the substance or mixture and uses advised against C1. C1. Relevant identified uses C1.	Product form	: Substance
EC-No. : 236-552-6 CAS-No. : 13429-43-9 Product code : 7.1783403 Formula : C10141404 Product group : Raw material 1.2. Relevant Identified uses of the substance or mixture and uses advised against 1.2. Relevant Identified uses Main use category : Laboratory use. Industrial use. Professional use Industrial/Professional use groc : For professional use only Use of the substance/mixture : For analytical purposes Scientific research and development No. I of human consumption or valeninary purposes. 1.2. Uses advised against No. Additional Information available 1.3. Details of the supplier of the safety data sheet Supplier Scientific research and development No. I of human consumption or valeninary purposes. 2.2. Uses advised against No. additional Information available 1.3. Details of the supplier of the safety data sheet Supplier 3. Details of the supplier of the safety data sheet Supplier 3. Additional Information available 1.4. Emergency telephone number Emergency number : +44 (i) 7590 545705 Steericol or the substance or mixture Classification according to Regulation (EQ) No. 1272/2008 [CLP] 4.1. Classification of the substance or mixture 2.2. Label legencetication Full exit of H statements : see section 16 2.2. Label elements Labeling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) Kingaria (C	Substance name	: (-)-Camphanic acid
CAS-No. : 13429-83-9 Product code : 71753403 Formula : C10H1404 Product group : Raw material 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Relevant Identified uses of the substance or mixture and uses advised against 12. Substance/mixture : For analytical purposes Scientific research and devisopment Net for human consumption or veterinary purposes. 13. Details of the subplier of the safety data sheet 13. Details of the subplier of the safety data sheet 14. Gragnise Molekula Lid Ungled Way Darington : England 17. 44 (0) 7590 545705 Scientific research and devisopment Net for human consumption or veterinary purposes. 14. Charest provide : :444 (0) 7590 545705 Scientific research and devisopment 14. Charegency telephone number 21. Classification of the substance or mixture 21. Classification of the substance or mixture 21. Classification for Clossof : :444 (0) 7590 545705 Scientific research is devisible com : www.molekula.com 21. Classification according to Regulation (Clo No. 12722008 [CLP] Skin corrosof/mixture, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 2 H315 Sarous eve damaga/eve inflation, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 2 H319 Specific targot on protivel : Shing exposure, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 2 H319 Specific targot on protivel : Shing exposure, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 2 H315 Sarous eve damaga/eve inflation, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 2 H315 Sarous eve damaga/eve inflation, Calegory 3 H335 Sarous eve damaga/eve inflation, Calegory 4 H315 Sarous eve damaga/eve infla	IUPAC name	: (1S,4R)-4,7,7-trimethyl-3-oxo-2-oxabicyclo[2.2.1]heptane-1-carboxylic acid
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Formula       : C10H1404         Product group       : Raw material         12. Rolevant identified uses of the substance or mixture and uses advised against         12. Rolevant identified uses         Main use category       : Laboratorial purposes         Scientific research and development         Not for human consumption or veterinary purposes.         12. Uses advised against         To advised formation available         Scientific research and development         Not for human consumption or veterinary purposes.         13. Details of the supplier of the safety data shet         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Scientific research and development         Not for human consumption or veterinary purposes.         Sci	CAS-No.	: 13429-83-9
Product group : Raw material  1.2. Relevant identified uses of the substance or mixture and uses advised against  1.2.1. Relevant identified uses  Main use category : Laboratory use industrial use.Professional use Industrial Professional use spec : For professional use only Use of the substance/mixture : For analytical purposes.  1.2. Loses advised against No additional information available  1.3. Details of the supplier of the safety data sheet  Scientlife research and development No tor human consumption or veterinary purposes.  1.2. Loses advised against No additional information available  1.3. Details of the supplier of the safety data sheet  Scientlife research and development No tor human consumption or veterinary purposes.  1.2. Loses advised against No additional information available  1.3. Details of the supplier of the safety data sheet  Supplier  Scientlife research and development No tor human consumption or veterinary purposes.  1.2. Loses advised against No additional information available  1.3. Details of the supplier of the safety data sheet  Supplier  Advectory telephone number  1.4. Enoregroup telephone number  2.1. Classification of the substance or mixture  Classification of the substance or mixture  2.1. Classification of the substance or mixture  2.2. Label elements  Labeling according to Regulation (EC) No. 1272/2008 (CLP)  Signal word (CLP) : Wimming Hazard statements (CLP) : Wimming Hazard statements (CLP) : EVArming Hazard statements (	Product code	: 71783403
1.2. Relevant identified uses of the substance or mixture and uses advised against         1.2.1. Relevant identified uses         Main use category       : Laboratory use, Industrial use, Professional use         Industrial/Professional use spec       : For professional use only         Use of the substance/mixture       : Eor analytical purposes         Scientific research and development Not for human consumption or veterinary purposes.         1.2. Uses advised against         No additional information available         1.3. Datalis of the subplier of the safety data sheet         Supplier         Scafell Organics         Molekula Ld         Unifigitume-England         T +44 (0) 1949 823777 / +44 (0) 7590 545705         Infogeminekulas on / koweng/molekula com         1.4. Enorgency tolephone number         Emergency number       : +44 (0) 7590 545705         Steriotic region according to Regulation (EC) No. 1272/2008 [CLP]         Skin concesin/intation, Category 2       H315         Serious eye damage/eye initiation         Full text of H statements : see section 16         Adverse physicochemical, human healt and environmental effects         No additional information available         2.1. Label elements         Labeling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictogr	Formula	: C10H14O4
2.1. Relevant identified uses <ul> <li>Main use category</li> <li>I: Laboratory use, industrial use, Professional use only</li> <li>Use of the substance/mixture</li> <li>For analytical purposes</li> <li>Scientific research and development Not for human consumption or veterinary purposes.</li> </ul> 1.2. Uses advised against No additional information available <ul> <li>Scientific research and development Not for human consumption or veterinary purposes.</li> </ul> 1.3. Details of the supplier of the safety data sheet <ul> <li>Supplier</li> <li>Scientific research and development Not for human consumption or veterinary purposes.</li> </ul> 1.4. Energency talephone number <ul> <li>st44 (0) 7590 545705</li> <li>Indegemoletula corn</li> <li>1.4. Energency talephone number</li> <li>Energency talephone number</li> <li>Scientific research and development andigency intraduce on thick use and the supplication (EC) No. 1272/2008 [CLP]</li> <li>Sterious evel damagdevel intraduce, Category 2</li> <li>H315</li> <li>Specific target organ toxicity — Single exposure, Category 3, H335</li> <li>Specific target organ toxicity — Single exposure, Category 3, H335</li> <li>Categorie (CLP)</li> <li>Edesification export infration. H33 - Kay causue respiratory infration. H33 - Kay cause re</li></ul>	Product group	: Raw material
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Industrial/Professional use spec : For professional use only Use of the substance/mixture : For analytical purposes Scientific research and development Not for human consumption or veterinary purposes. <b>1.2.2. Uses advised against</b> No additional information available <b>1.3. Details of the supplier of the safety data sheet</b> <b>Supplier</b> Scientific research and development Not for human consumption or veterinary purposes. <b>1.4. Energency</b> 140(1) 7590 545705 Info@molekula.com <b>1.4. Energency</b> 140(1) 7590 545705 Info@molekula.com <b>1.4. Energency</b> 140(1) 7590 545705 <b>SECETION 2: Hazards Identification</b> <b>2.1. Classification of the substance or mixture</b> <b>Classification available</b> <b>2.1. Label elements</b> <b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b> Hazard pictograms (CLP) : Waming Hazard pictograms (CLP) : Waming Hazard statements (CLP) : Waming Hazard statements (CLP) : Waming Hazard statements (CLP) : Waming Hazard statements (CLP) : 221 - Avaid stateming againstation. Ha335 - May cause respiratory irritation. Ha335 - May cause respiratory irritat		: Laboratory use.Industrial use.Professional use
Use of the substance/mixture       : For analytical purposes         Scientific research and development information available         1.2. Uses advised against         No additional information available         Scientific research and development information available         Scientific research and development information available         Scafell Organics         Molekula Ltd         Ungfield Way         Darlington - England         1.4. Emergency telephone number         1.4. Emergency telephone number         2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/infration, Category 2       H315         Serie organ toxicity - Single exposure, Category 3, H335         Particip according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/infration, Category 2       H315         Verse physicochemical, human health and environmental effects         No additional information available         2.2. Label elements         Labeling according to Regulation (EC) No. 1272/2008 [CLP]         Kinger Charge         No additional information available         2.2. Label elements         Labeling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       : Warning <td></td> <td>-</td>		-
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1.3. Details of the supplier of the safety data sheet         Supplier         Scafell Organics         Molekula Lid         Lingfield Way         Darlington - England         1 + 44 (0) 1949 823777 / +44 (0) 7590 545705         Info@molekula.com / kbowen@molekula.com         1.4. Emergency telephone number         Emergency number         2.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serbirot organics explained in the safety data sheet         Adverse physicochemical, human health and environmental effects         No additional information available         2.2. Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard sideometical, human health and environmental effects         No additional information available         2.2. Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard sideograms (CLP)       : Warning         Hazard sidenents (CLP)       : Warning         Hazard sidements (CLP)       : H315 - Causes skin initiation.         H335 - May cause respiratory initiation.       H335 - May cause respiratory initiation.         H335 - Nay cause respiratory initiation.       H337 - Causes skin initiation.	1.2.2. Uses advised against	
Supplier         Scalell Organics         Molekula Ltd         Lingfield Way         Darlington - England         T +44 (0) 1590 545705         Indo@molekula.com / kbowen@molekula.com         1.4. Emergency telephone number         Emergency number         : +44 (0) 7590 545705         SECTION 2: Hazards identification         2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 3       H335         Respiratory tract irritation       Respiratory tract irritation         Sub corrosion/irritation, category 9       H319         Specific targe torgan toxicity — Single exposure, Category 3       H335         Respiratory tract irritation       Respiratory tract irritation         Full tot of H statements : see section 16       Adverse physicochemical, human health and environmental effects         No additional information available       GHS07         Signal word (CLP)       : Warning         Hazard statements (CLP)       : H315 - Causes skin irritation, H335 - May cause respiratory irritation, H335 - May cause respiratory irritation, H335 - May cause respiratory irritation, H335 - H319 - Causes serious apy iritritation, H335 - H319 - Causes relous apy irritation,		
Selection of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/initiation, Category 2 H315 Service ye damage/eye initiation, Category 3, H335 Respiratory tract initiation Full text of H statements : see section 16 Classification according to Regulation (EC) No. 1272/2008 [CLP] Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard statements (CLP) Label IN CLP Label IN	1.3. Details of the supplier of the safety data	i sheet
Molekula Ľd Lingfield Way Darlington - England T +44 (0) 7590 545705 Info@molekula.com / kwwm.molekula.com 14. Emergency telephone number Emergency number : +44 (0) 7590 545705 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification of the substance or mixture Classification of Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract irritation Full text of H statements : see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labeling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : Warning Hazard pictograms (CLP) : Warning Hazard statements (CLP) : Warning Hazard statements (CLP) : P361 - Avoid breathing. Precautionary statements (CLP) : P261 - Avoid breathing during rotection/face protection. Precautionary statements (CLP) : P261 - Avoid breathing during groves/protection/face protection. P280 - Waer protective gloves/protective clothing/eye protection/face protection. P380 - Waer protective gloves/protective clothing/eye protection/face protection.	Supplier	
Lungfield Way Dartington - England T + 44 (0) 1949 823777 / +44 (0) 7590 545705 Info@molekula.com / kbowen@molekula.com - www.molekula.com T.4. Emergency telephone number Emergency number : +44 (0) 7590 545705 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/intation, Category 2 H315 Serious eye damage/eye intation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract intation Pull text of H statements : see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : Warning Hazard statements (CLP) : Warning Hazard statements (CLP) : P361 - Avoid breathing during with water for several minutes. Remove contact lenses, if present and acay to do. Continue rinsing.		
Darlington - Éngland 1+44 (0) 1949 823777 / +44 (0) 7590 545705 Info@molekula.com / kbowen@molekula.com 1.4. Emergency telephone number Emergency number : +44 (0) 7590 545705 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract irritation Full text of H statements : see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : Warning Hazard pictograms (CLP) : Warning Hazard statements (CLP) : Warning Hazard statements (CLP) : P361 - Avoid breathing during irritation. H335 - May cause respiratory irritation. H335 - May cause respiratory irritation. H336 - May cause respiratory irritation. H337 - May cause respiratory irritation. H338 - May cause respiratory irritation. H338 - May cause respiratory irritation. P360 - Wear protective clothing/eye protection/face protection. P360 - Wear protective clothing/eye protection/face protection. P360 - Wear protective clothing/eye protection/face protection. P360 - Wear protective gloves/protective c		
T +44 (0) 1949 523777 / +44 (0) 7590 545705 Info@molekula.com / kbowen@molekula.com - www.molekula.com 1.4. Emergency telephone number Emergency number : +44 (0) 7590 545705 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract irritation Full text of H statements : see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) : Warning Hazard statements (CLP) : Warning Hazard statements (CLP) : P315 - Causes skin irritation. H319 - Causes serious eye irritation. Precautionary statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions exploring/induced for the statements (CLP) : P261 - Avoid breating diversions explored for for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
1.4. Emergency telephone number         Emergency number       : +44 (0) 7590 545705         SECTION 2: Hazards identification         2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 2       H319         Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full ext of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements       GHS07         Labelling according to Regulation (EC) No. 1272/2008 [CLP]       Hazard pictograms (CLP)         Hazard statements (CLP)       : Warning         Hazard statements (CLP)       : Warning         Hazard statements (CLP)       : 221 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/intorective clothing/eye protection. P305+F931+F938 - IFI NE YES: Rinse cautously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Emergency number : +44 (0) 7590 545705 SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Specific target organ toxicity — Single exposure, Category 3, H335 Respiratory tract irritation Full text of H statements : see section 16 Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS07 Signal word (CLP) Hazard statements (CLP) Figure 4315 - Causes skin irritation. H319 - Causes serious eye irritation. Precautionary statements (CLP) P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305+P331+P338 - IFI NEYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	info@molekula.com / kbowen@molekula.com - www	.molekula.com
SECTION 2: Hazards identification         2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 2       H319         Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements       Eabeling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       :         GHS07       :         Signal word (CLP)       :         Hazard statements (CLP)       :         Precautionary statements (CLP)       :         P205-P351+P233- IF N35 - IF N EYES: Rines cautiously with water for several minuites. Remove contact lenses, if present and e		
2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 2       H319         Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements       Eabelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       :         GHS07       :         Signal word (CLP)       :         H315 - Causes skin irritation.         H319 - Causes skin irritation.         H319 - Causes skin irritation.         H32 - Cause statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.         P280 - Wear protective glows/portective clothing/eye protection.         P305 - Way cause respiratory irritation.         P305 - Waye and easy to do. Continue rinsing.	Emergency number : ·	+44 (0) 7590 545705
2.1. Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 2       H319         Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements       Eabelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       :         GHS07       :         Signal word (CLP)       :         H315 - Causes skin irritation.         H319 - Causes skin irritation.         H319 - Causes skin irritation.         H32 - Cause statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.         P280 - Wear protective glows/portective clothing/eye protection.         P305 - Way cause respiratory irritation.         P305 - Waye and easy to do. Continue rinsing.		
Classification according to Regulation (EC) No. 1272/2008 [CLP]         Skin corrosion/irritation, Category 2       H315         Serious eye damage/eye irritation, Category 2       H319         Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements		
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Specific target organ toxicity — Single exposure, Category 3, H335       H335         Respiratory tract irritation       Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects       No additional information available         2.2. Label elements       Eabelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)       :         GHS07         Signal word (CLP)       :         Hazard statements (CLP)       : H315 - Causes skin irritation.         H335 - May cause respiratory irritation.         H335 - May cause respiratory irritation.         Precautionary statements (CLP)       : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.         P280 - Wear protective gloves/protective clothing/eye protection/face protection.         P305+P351+P338 - IF IN EYES: Rines cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Respiratory tract irritation         Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2. Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)         Hazard pictograms (CLP)         Figure 4         Kard (CLP)         Hazard statements (CLP)         Hazard statements (CLP)         Precautionary statements (CLP)         Path Avoid breating dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Full text of H statements : see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2. Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Hazard pictograms (CLP)         Image: GHS07         Signal word (CLP)         Hazard statements (CLP)         Hazard statements (CLP)         Precautionary statements (CLP)         Path Avoid breating dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	Specific target organ toxicity — Single exposure, Cat Respiratory tract irritation	egory 3, H335
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Signal word (CLP)       : Warning         Hazard statements (CLP)       : H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.         Precautionary statements (CLP)       : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
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contact lenses, if present and easy to do. Continue rinsing.		
	2.3. Other hazards	

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients			
3.1. Substances			
Name         Product identifier         %			
(-)-Camphanic acid (CAS-No.) 13429-83-9 100 (EC-No.) 236-552-6			
	Product identifier (CAS-No.) 13429-83-9		

# Full text of H-statements: see section 16

3.2. Mixtures Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.
First-aid measures after inhalation	<ul> <li>If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.</li> </ul>
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and effects,	both acute and delayed
Symptoms/effects after inhalation	: Irritation to throat. Headache. Cough. Burning sensation.
Symptoms/effects after skin contact	: Causes skin irritation. Itching. Redness, pain.
Symptoms/effects after eye contact	: Causes serious eye irritation. redness, itching, tears. stinging.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. Abdominal pain, nausea.
4.3. Indication of any immediate medical at	tention and special treatment needed

Get immediate medical advice/attention.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa	ance or mixture
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2).
5.3. Advice for firefighters	
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Warn all persons of toxic hazard.

SECTION 6: Accidental release measure	9S
6.1. Personal precautions, protective equipm	nent and emergency procedures
General measures	: Isolate from fire, if possible, without unnecessary risk. Avoid dust formation. No flames, no sparks. Eliminate all sources of ignition.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.
Measures in case of dust release	: Keep upwind. Avoid creating or spreading dust. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify auth	norities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: On land, sweep or shovel into suitable containers. Shovel or sweep up and put in a closed container for disposal.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Avoid creating or spreading dust. Provide local exhaust or general room ventilation.	
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.	
7.2. Conditions for safe storage, including a	ny incompatibilities	
Technical measures	: Ensure adequate ventilation, especially in confined areas.	
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use.	
Incompatible products	: Strong oxidizing agents.	
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.	
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
Storage area	: Store below 20 °C. Store in a dry place. Store in a closed container.	

#### 7.3. Specific end use(s)

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

### SECTION 8: Exposure controls/personal protection 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures.

#### Personal protective equipment:

Avoid all unnecessary exposure.

### Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

#### Hand protection:

The protective gloves to be used must comp	ly with the specifications of the regulation 2016/425 and the resultant standard EN 374
	$\gamma$ with the specifications of the regulation 2010/425 and the resultant standard $\Box N 5/4$

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11		EN 374

#### Eye protection:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against powders and dusts.

Туре	Use	Characteristics	Standard
Safety goggles	Fine dust, Dust	tightly fitting safety goggles, With side shields	EN 166

### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

Туре	Standard
Protective clothing (with elasticated cuffs and closed neck)	EN ISO 13982

## **Respiratory protection:**

Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Device	Filter type	Condition	Standard
Respiratory protective device with a particle filter	Type P1, Type P2	Dust protection	EN 14387

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## Other information:

Do not eat, drink or smoke during use.

SECTION & Physical and chamical	aramartica		
SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties			
Physical state	: Solid		
Appearance	: Powder.		
Molecular mass	: 198.22 g/mol		
Colour	: Off-white. Beige.		
Odour	: No data available.		
Odour threshold	: No data available		
pН	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: 201 - 204 °C		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapour pressure	: No data available		
Relative vapour density at 20 °C	: No data available		
Relative density	: No data available		
Solubility	: No data available		
Log Pow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidising properties	: No data available		
Explosive limits	: No data available		
9.2. Other information			

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5. Incompatible materials
Strong oxidizers.
10.6. Hazardous decomposition products
No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO2).

<b>SECTION 11: Toxicological information</b>	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause respiratory irritation.
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information		
12.1. Toxicity		
Acute aquatic toxicity :	Not classified	
Chronic aquatic toxicity :	Not classified	
12.2. Persistence and degradability		
(-)-Camphanic acid (13429-83-9)		
Persistence and degradability	No data available.	
12.3. Bioaccumulative potential		
(-)-Camphanic acid (13429-83-9)		
Bioaccumulative potential	No data available.	
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessment		
(-)-Camphanic acid (13429-83-9)		
This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Other adverse effects		
Additional information :	Avoid release to the environment.	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental ha	zards			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

# SECTION 15: Regulatory information

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

### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions (-)-Camphanic acid is not on the REACH Candidate List Directive 2012/18/EU (SEVESO III)

### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information		
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.	
Other information	: None.	
Full text of H- and EUH-s	tatements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.