Nailchemy® SAFETY DATA SHEET

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

1.1	Product identifier
Pr	oduct name
Pr	oduct code

1.2 Relevant identified uses of the substance or mixture and uses advised against Not applicable.

1.3 Details of the supplier of the safety data sheet

Nailchemy Limited Unit E Thistle Park, Crossways Road, Bridgwater, Somerset, TA6 6LS +44 1278 459066

 1.4 Emergency telephone number

 National advisory body/Poison Centre

 Telephone number
 112

 Supplier

Telephone number

(+44) 1278 459066

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u>

Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown
toxicityPercentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.3%Ingredients of unknown
ecotoxicityPercentage of the mixture consisting of ingredient(s) of unknown hazards to the
aquatic environment: 29%

See Section 16 for the full text of the **R** phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Warning

2.2 Label elements Hazard pictograms

Signal word



Page 1 tof: 13 9/8/2015

JSECTION 2: Hazards identification

Hazard statements	Flammable liquid and vapour.
	Harmful if inhaled.
	Causes serious eye irritation.
	Causes skin irritation.
	May cause an allergic skin reaction.
	May cause respiratory irritation.
Precautionary statements	
General	Not applicable.
Prevention	Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
Storage	Keep cool.
Disposal	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 requireme	<u>nts</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	Not applicable.
2.3 Other hazards	

Other hazards which do : None known. not result in classification

JSECTION 3: Composition/information on ingredients

Substance/mixture	: Mixture				
				Classification	
Product/ingredient name	INCi Name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
ethyl methacrylate	ETHYL METHACRYLATE	EC: 202-597-5	50 - 75	Flam. Liq. 2, H225	[1]
		CAS: 97-63-2		Acute Tox. 4, H332	
		Index: 607-071-00-2		Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	
Ethylene glycol dimethacrylate	Glycol HEMA- methacrylate	EC: 202-617-2 CAS: 97-90-5 Index: 607-114-00-5	5 - 10	Skin Sens. 1, H317 STOT SE 3, H335	[1]

SECTION 3: Composition/information on ingredients

There are no addruonal ingredients presant/vhich, within the current knowledge of tha supplier, are classified and contribute to the classification of the substance and hence require reporting In this sect.ion.

There are no addltlonal Ingredients present \Vhich, within the current knowledge of the supplier and Inlne concentrations applicable, are classified as hazardous tohealth or the env1ronment, arePBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting In!his section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PST according to Regulation (EC)No. 1907/2006, Annex

XIII [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2000, Annex

XIII [5] Substance of equivalent concern

Occupational exposure l!mlts, ff available, are llsted In Section a.

ISECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Immediately flush eyes 'Nith plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue tortnse for at least 10 minutes. Get medical attention.
Inhalation	Remove victim to1resh air and keep at rest 1n a position comfortable for breathing. If It Is suspected that fumes are still present, the rescuer should wear an approprtate mask or self ntained breathing apparatus. tf 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 togive mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician, If unconscious, place In recovery position and get medical attention Immediately, Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated Clothing thoroughly with watar before removing it, or wear gloves. Continue to rinse for at least ·10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash Clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Wash out mouth withwater. Remove dentures if any. Remove victim tofresh 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 tf the exposed person feels sick as vomiting may be dangerous. Donot 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 ff adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place Inrecovery position and get medical attention Immediately. Maintain anopen airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection Offirst-aiders	No action shall OC taken involving any personal risk <i>or</i> without suitable training. If it Is suspected that fumes are still present, tha rescuer should wear an appropriate mask or selfoontained breathing apparatus. It may be dangerous to the person providing aid to give moutil-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing It, or wear gloves.

4,2 Most Important symptoms and effects, both acute and delayed

Potential acute health	effects		
Eye contact	causes serious eye irritation.		
Inhalation	Harmful tfinhaled. May cause respiratory initation.		
Skin contact	causes skin irritation. May cause an allergic skin reaction.		
Ingestion	Noknown signiticant effects or Cfitical hazards.		
Qver-exposure smosts	<u>symptoms</u>		
Eye contact	Adverse symptoms mayInclude the following: pain or irritation watering		
and 2 of 12			

Page 3 of 13

confOrms to Regulation (EC) No. 1907/2006 (REACH), Annex II Europe redness

Page 4 of 13

Created: 9/8/2015

ISECTION 4: First aid measures

Inhalation	Adverse symptoms mayInclude the following: respiratory tract irritation coughing
SkJn contact	Adverse symptoms may include the following: redness Irritation
Ingestion	No specific data.
4.3 Indication of any imme	diate medical attention and special treatment needed
Notes to physician	: Treat symptomatically. Contact poison treatment specialist Immedlatefy tf large quantities have baen ingested or inhaled.
Specific treatments	: No specific.treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	Use dry chemical, CO ₂ , 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	Flammable llquld and vapour. In a fire orlf heated, a pressure Increase will occur and the container may burst. with the risk of a subsequent explosion. The vapour/ gas is heavier than air andwill spread along the ground. Vapours may accumulate in lowor confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to saVI/8r may create fire or explosion hazard.
Hazardous thermal decomposition prod ts	Decomposition products may Include the following materials: carbon dioxide carbon monoxide
5,3 Advice for firefighters	
Special protective actions for fireflghters	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 Ihis can be done without tisk. Use water spraytokeep fire-axPosed containers cool.
Special protective equipment for flrefighters	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, prot	ective equipment and en	nergency procedures	
Fot nonemergency personnel	Evacuate surrounding entering, Donottouch Noflares, smoking or f Provide adequate ventl	n involving any personal risk or whom areas. Keep unnecessary and unprota or walk1nrough spilt material. Shut of lames In hazard area. Avoid breathin atlon. Wear approprlate respirator who propriate personal protective equipme	actad personnal from f all ignition sources. ng vapour or mist. en ventllatlonIs
For emergency responders	Information tn Section	s required todeal 'With the splllage, ta 8 on sultable and unsuitable materials -emergency personnel".	
6.2 Environmental precautions		matertal and runoff and contact: wtth s relevant authoritles if the product has erways, soil or air).	
Page 5 of 13	Page 5 of 13		
Created: 9/8/2015		Reviewed: 26/4/2023	Revision: 2

SECTION 6: Accidental release measures

6.3 Methods and material for co	ntainment and cleaning up
Small spill	Stop leak if without risk. Mova containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up If water-soluble. AlternatJvely, or If water-Insoluble, absott> with anInert drymaterlal and place Inan appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak If without risk. Move containers from splll area. Use spark-proof tools and explosion-proof equipment Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-oombust!ble, absorbent material e.g. sand, earth, vemiicullte or dlatomaceous earth and place In container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose ttle same hazard asthe spilt product.
6.4 Reference to other sections	 Section 1 for emergency contact information. Section 8 for information on appropriate personal protective equipment. Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	Put on appropriate personal protectJve equipment (see Sect.ion 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in ayes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Useonly with adequate ventilation. Wear appropriate respirator when ventilation Is Inadequate. Donot enter storage areas and confined spaces unless adequately ventilated. Keep In the ortginal 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 precautionarymeasures against electrostatic discharges. Emptycontainers 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. Sea also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Shield UV light sources. store in accordance witll local ragulations. Store in a segregatoo and approved area. Store in original container protected from direct sunlight in a dry, cool andwell-ventilated area, away from incompatible materials (sea Sootion 10) and food and drink. Store locked up, Eliminate all ignition sources. Separate from oxldlzJng matelials. Keep oontalner tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright toprevent leakage. Do not store Inunlabelled containers. Use appropriate containment to avoid environmental contamination. Inhibitor requires oxygen tofunction. Maintain proper headspaoo and re-aerate tha product by mixing every 3 months.

Seveso p1ract1ye - Reporting thresholds Uo tonnes)

Danger Criteria		
cat:egory	Notification and MAPP threshold	Safety teport threshold
P5c: Flammable Ilquids .2 and 3 not falling under PSa or PSb	5000	50000
06: Flammable (R10)	5000	50000

7.3 Specific end use(s)

Not available.

SECTION 8: Handdiengaamel saseage asures

Industrial sector specific solutions

: Notavailable.

SECTION 8: Exposure controls/personal protection

The Information In this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product AddItIonal measures might berequired for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

OCCupational exposurelimits

No exposure limit value known.

Recommended monitoring procedures If this product contains ingredients with exposure limns, 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 protectlve equipment. Reference should be made to monitoring standards, such as the follOWIng: European Standard EN 689 (Workplace atmospheres - Guidance for tha assessment of exposure by inhalation tochemical 89ents 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 89enis) Reference tonational guidance documents for methods for the determination of hazardous substances will also be required.

ONELs/OMJ:Ls

NoDNELs/DMELs available,

PNECs

NoPNECs available

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 IO'vVE!r explosive limits. Use explosion-proof ventilation equipment.
Wash hands, forearms andface ihoroughly after handling chemical products, before eating, smoking and using the lavatory and at the and of the working period. Appropriate techniques should be used toremove potentially contaminated Clothing_Contaminated work clothing should not be allowed out of the workplace, Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Safety eyewea.r complytng with an approved standard should be used '#hen a risk assessment Ind!cai'es this Is necessary to avoid exposure to llquid 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,
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 Isnecessary. Considering the parameters specIfled by theglove manufacturer, check during use that the gloves are st!ll retaining their protective properties, It should benoted that the time tobreakthrough for any glove materlal may be different for dtfferent glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of tt'le gloves cannot be accurately estimated,

SECTION 8: Ex	posure contro	ols/personal	protection
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Body protection	Personal protootive equipment for the body should be seloomd based on the task being performed and the risks involved and should b8 approved by a specialist before handling this product. When there is a risk of IgnItJon from static electr1clty, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anH-static overalls, boots and gloves. Refer to European standard EN1149 for further information on material and design requirements and test methods.
Other skin protection	Appropr1 ate footwear and anyaddItIonal 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	Use a properly fitted, air-purifying or alr fed respirator complying with an approved standard if a risk assessment indicates this is necessary" Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits Of the selected respirator.
Environmental exposure controls	EmisSions from ventilation or work process equipment should be chOOked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or englneering modifications to the process equipment </th

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

AJ!pearance	
Physical state	Liquid"
Colour	Blua,-Violet. [Light]
Odour	Ester. [Strong]
Metting point/freezingpoint	Not available.
Initial bolling point and	103°C
bolling range	
Flash point	Closed cup: 45"C
Flammability (solid, gas)	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Vapour pressure	Not available"
Vapour density	>1[Air=1]
Relative density	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available"
Viscosity	Not avallable.
explosive properties	Highly explosive in the presence of the follOWing materials or conditions: open flames, sparks and static discharge and heat

9.2 Other information

No additional information.

10.1 Reactivity	No specific test data related t.o react	Aty available for this product o	r Its Ingredients.
10.2 Chemical .stability	Tha product is stable,		
10.3 Possibility of hazardous reactions	Hazardous polymerization may occu These could cause the product topol wHn them should be avoided.		
10.4 Conditions to avoid	Avoid all possible sources of Ignition braze, solder, drill, grind or expose o allow vapou		of ignition. Do not
Page 7 of 13	Page 7 of 13		
Created: 9/8/2015		Reviewed: 26/4/2023	Revision: 2

SECTION 80EStadisting auchterals/personal protection

10.5 Incompatible maMrials : Reactive or incompatible with the following materials: oxidizing materials

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

Product/ingredientname	Result	Spect&s	Dose	Exposure
· · · · · · · · · · · · · · · · · · ·	LC50 Inhalation Gas. LOSO Oral	Rat Rat	8300 ppm 12.7 g/kg	4hOur'S -
Ethylene glycol dimethacrylate	LOSO Oral	Rat	3300 mg/kg	-

Acute toxicity estimates

Route	ATE value
Oral	11236 mg/kg
Dermal	33707.9 mg/kg
Inhalation (gases)	11982.1 ppm
Inhalation (vapours)	157.3mg}l

Specifig target organ toxicity(singleexoosurru

Product/ingredient name	Category	Route of exposure	Target organs
ethyl methacrytate	Category3	Not applicable.	Respiratory tract Irritation
E!hylana glycol dimethacrylata	Category3	Not applicable.	Respiratory tract Irritation

Information on the likely routes of exposure Potential acute health e®cts	Not available.
Eye contact	Causes serious eye Irritation.
Inhalation	Harmful if inhaled. May cause respiratory irritation.
Skin contact	Causes skin Irrtation. May cause an allergic skin reaction.
Ingestion	Noknown significant effects or critical hazards.
Symptoms related tothe physic. Eye contact	al. chemical and toxicological characteristics Adverse symptoms may include the follO'Ning: pain or irritation watering redness
Inhalation :	Adverse symptoms may include the follo'Ning: respiratory tract imtation coughing
Skin contact	Adverse symptoms may Include the following: redness irritation
Ingestion	No specific data.

Dell.YfdandImmediateeffects and aJso chronic effects from short and Jong termsxposu@ Short termexoosure Page 8 of 13 Page 8 of 13

Created: 9/8/2015

SECTION 11: Toxicological information

Potential immediate effects	Not available,
Potential delayed effects	Notavailable,
Long tennexposure	
Potential immediate effects	Not available.
Poomtlal delayed effects	Notavailable.
Potential chronic health effect	<u>cts</u>
Notavallable.	
General	Once sensitized, a severe allergic reaction mayoccur when subsaquentty exposed to very low levels.
Carcinogenicity	Noknown significant effects or crltlcal hazards.
Mutagenicity	No known significant affects or critical hazards.
Teratogenicity	Noknown significant affects or critical hazards.
Developmental effects	Noknown significant effects or cr!tlcal hazards.
Fertility effects	Noknown significant affects or critical hazards.

Other Information

Not available.

SECTION 12: Ecological Information

12.1 Toxicity

Productlingredlent name	Result	Species	Exposure
eth:yl mathacrylata	Chronic NOEC 18 mg.fl Fresh water	Daphnia - Daphnia magna - Neonate	21 days

12.3 Bioaccumulativepotential

Product/ingredient name	LogPow	BCF	Potential
ethyl methacrylate Ethylene glycol dimethacrylata	1.87 1.87	-	low low

12.4Mobility Insoil	
Soil/water partition coefficient {Koc)	Notavailable.
Mobility	Not available.

12.5 Resutts of PBT and vPYB assessment

PBT	Not applicable.
vPvB	Not applicable.

12.6 Ottler adverse effects No

Noknown significant effects or crrtical hazards.

SECTION 13: Disposal considerations

The Information In this section contains generic advice and guidance. The 11st of Identified Uses In Section 1 should be consulted for any available use-specific Information provided In the Exposure Scenario(s).

13.1 Waste treatment methods

Product

SECTION 13: Disposal considerations

Methods of disposal	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 dlsposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste dlsposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities withjurisdiction.
Hazardous waste	The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	Tha generation of waste should be avoided or minimised wherever possible. Waste packaging should ba recycled. Incineration or landfill should only be considered when recycling Is not feasible,
Special precautions	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 llners 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, wateiways, drains and sewers.

<u>ISECTION</u> ·14: Transport Information

	ADR/RID	AON	IMOG	ΙΑΤΑ
14.1 UN number	UN1993	UN1993	UN1993	UN1993
14.2 UN proper shipping name	FLAMMABLE LJQUID, N.O.S. (ethyl methacrylate)	FLAMMABLE LIQUID, N.O.S. (ethyl methacrylate)	FLAMMABLE LIQUID, N O.S. (ethyl mefhacrylate)	FLAMMABLE LIQUID, N.O.S. (ethyl meth:acrylate)
14.3 Transport hazard class{es)	3	3	3	3
14.4 Packing group	III	III	111	111
14.5 Environment.al hazards	No.	No.	No.	No.
Additional information	S cial <u>i:H:QVisiQDS</u> 640 (E) f.UNAM <u>coo</u>	•	x	-
	{DIE)			

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upr1ght and secure. Ensure1hat persons transporting the product know what to doln the event of an accident or splllage.

14.7 Transport in bulk according to .Annex II of MARPOL 73/78 and the IBC Code Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislationspecific for the substance or mixture
EURegulation(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 concem
None of the components are listed.
Annex XVII - Restrictions : Not applicable.
on the manufacture,
placing on the market and use of certain
dangerous substances,
mixtures and articles
Other EUreau1at1oos
Europe Inventory : All components are listed or exempted.
<u>Seveso Dimctive</u>
This product Is controlled under the Seveso Directive.
oaooercctteda
Category
P5c.: Flammable liquids 2 and 3 not falling under P5a or PSb C6: Flammable (R10)

15.2 Chemical Safety Assessment

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: other infonnation

ti" Indicates information that has changed from previously issued version.

Abbreviations and	ATE =Acute Toxicity Estimate
acronyms	CLP =Class!flcation, Labelling and Packaging Regulat!on [Regulation (EC) No.
	1272/20081
	DMEL,;;; Derived Minimal Effect Level
	DNEL=Derived No Effect Level
	EUH statement = CU¼pacific Hazard statement
	PBT=Persistent, BloaccumulatJve and Toxic
	PNEC = Predicted No Effect Concentration
	RRN=REACH Registration Number
	vPvBa VeryPersistent and VeryBioaccumulative

Procedure used todedve the c1assfflcationaccording to Regulation (EC) No.121212008 [CLPIGHSJ

Classification	Justification
Flam. Liq.3, H226	On basis of test data
Acllte Tox. 4, H332	CalculaUon method
Skin Irrit. 2, H315	CalculaUon method
Eye Irrit.2, H319	Calculation method
Skin Sans. 1, H317	Calculation method
STOT SE 3, HSSS	Calculation method

Full text of abbreviated H statements	H226 Flam H31S Caus H317 Mayo H319 Caus	y flammable liquid and vapour. mable liquid and vapour. es skin Irritation. cause anallergic skin reaction. ses serious eyeIrritation. nful If Inhaled.	
	H335 May	cause respiratory Irritation.	

Page 11 of 13 Created: 9/8/2015

Page **11** of **13**

Reviewed: 26/4/2023

ISECTION 16: other information

Fulltext of classifications [CLP/GHS]	: Acute Tox. 4, H332 Eye Irrlt.2, H319 Flam, Liq. 2, H225 Flam, Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	ACUTE TOXICITY (inhalation) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION-Category 2 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) • Category 3
Date of printing	9/8/20.15	
Dateof Issue/Dateof revision	9/8/2015	
Dateof previous issue	1/30/2015	
Version	1.01	
Notice to reader		

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Final determination of suitability of any material is the solemsponsibility of the user. All materials may present unknown hazards and should beused with caution. Although certain hazards are described herein, we cannot guarantee that ihese are the only hazards that exist.

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