

System 300

NEWTON 322-SP Part A

Flexible Sealing Injection Resin

Rev 1.1 - 04 December 2019

PRODUCT CODE - 322-SP

SECTION 1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifier

- Product form Mixture
- Product name Newton 322-SP
- Product codes 322-SP

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Professional Use only
Injection resin for waterproofing
- Uses advised against Not for any other use

Details of the Supplier of the Safety Data Sheet

- Company Address Newton Waterproofing Systems, Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web www.newtonwaterproofing.co.uk
- Email address of the competent person info@newtonwaterproofing.co.uk
- Emergency telephone numbers Newton Waterproofing systems - English language
+44 (0)1732 360095/08:00-17:30 (GMT) Mon-Thur & 08:00-17:00 (GMT) Fri

SECTION 2. Hazards Identification

- Refer to SECTION 16 for The explanation of the abbreviations used throughout this SDS
The full list of Hazard Phrases & Precautionary Statements stated throughout this SDS

2.1 Classification of the Substance or Mixture

- Classification under Regulation (EC) No. 1272/2008 (CLP)
Not classified
- Adverse physicochemical, human health and environmental effects
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practices

2.2 Label Elements

- Hazard statements No labelling applicable
- Signal words (CLP) N/A
- Hazard pictograms (CLP) N/A
- Hazardous ingredients N/A
- Hazard statements (CLP) N/A
- Precautionary statements (CLP) To be handled and used in accordance with good occupational hygiene and safety practice. Wear PPE as SECTION 8.2, handle and store as SECTION 7, manage accidental release as SECTION 6 and follow the instructions in the Data Sheet

2.3 Other Hazards

- Other Hazards NDA

- Other information Classification and labelling have been made on the basis of safety data sheets of the raw materials that make up the product

SECTION 3. Composition/information on ingredients

3.2 Mixture This product is a mixture

Hazardous Substances

Chemical name	CAS	EC No.	EC Index-No	REACH Registration Number	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Polypropyleneglycol	25322-69-4				10-20	Acute Tox. 4 (Oral), H322

NB Refer to SECTION 8 for Personal Protection / Exposure Controls
Refer to SECTION 16 for the full text of Hazard Statements

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

- General
 - Never give anything by mouth to an unconscious person. If exposed or concerned get medical advice / attention. If you feel unwell, seek medical advice
 - Those assisting the exposed persons to take no action involving personal risk or without training. Performing mouth-to-mouth can be dangerous, only to be done by trained personnel
 - Eye bathing equipment and First Aid Box should be available
 - Take this SDS with you when seeking medial advice
- Skin contact
 - Remove contaminated clothing. Gently remove all traces of product and wash with plenty of soap and water. Continue to rinse for at least 10 minutes. If skin irritation or rash occurs seek medial advice / attention
- Eye contact
 - Do not rub. Immediately rinse eyes cautiously with plenty of water for at least 15 minutes holding the eyelids open. Remove contact lenses if present and easy to do so, then continue to rinse cautiously for 15 minutes. Obtain medical attention if pain, irritation, blinking or redness persists
- Ingestion
 - Wash out mouth with water. Do NOT induce vomiting. Get emergency medical attention. If vomiting occurs, the head should be kept forward and low so vomit does not enter the lungs. Never give anything to an unconscious person. Move the exposed person to fresh air. If unconscious, place in the recovery position and get medical advice immediately. Loosen tight clothing such as collar, tie, belt and waistband. Call a doctor or poison centre if you feel unwell
- Inhalation
 - Ventilate the area. Remove person from the contaminated place to rest in fresh air and keep comfortable and breathing. Assure fresh air breathing. Loosen tight clothing such as collar, tie, belt or waistband. If you feel unwell seek medical advice. Call a doctor or poison centre if you feel unwell
- Self-protection for first aiders
 - No action to be taken involving any personal risk or without suitable training. If it is suspected that the mixture is still present, wear appropriate Personal Protection Equipment, see SECTION 8.2. Wear gloves to remove contaminated clothing, see SECTION 13 for washing or disposal

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Skin contact May cause moderate irritation
- Eye contact May cause slight irritation
- Ingestion May be harmful if swallowed

- Inhalation May cause respiratory irritation
- Delayed / immediate effects NDA

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- Immediate / special treatment No specific treatment. Treat symptomatically

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media Powder, alcohol-resistant foam, dry power, carbon dioxide, water spray, foam

Unsuitable extinguishing media:
- Do not use a heavy water stream

5.2 Special Hazards Arising from the Material

Toxic fumes may be released

5.3 Advice for Firefighters

Isolate the affected area

All persons to be immediately removed from the vicinity of the fire. Fire to be dealt with by trained personnel and without involving personal risk

Exercise caution when fighting any chemical fire

Collect the fire fighting water separately. Prevent from entering the environment, waterways, sewers and drains, alert the Environmental Agency if this occurs

Do not enter the area without wearing proper protective equipment, including respiratory protection

Do not attempt to take action without suitable protective equipment. Self contained breathing apparatus. Complete protective clothing

SECTION 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- **General measures** Do not attempt to take action without wearing suitable personal protection, refer to SECTION 8.2 of the SDS
Ensure adequate ventilation
- **Non-emergency personnel** Evacuate unnecessary personnel
- Do not touch or walk through the spilled material. Ventilate spillage area. Do not breathe dust / fumes/ gas / vapours / mist / spray. Avoid contact with skin and eyes
- **Emergency personnel** Evacuate unnecessary personnel and those not wearing the suitable protection. If outside do not approach from downwind. If outside keep bystanders and passing persons upwind and away from the danger point. Mark out the contaminated area with signage and prevent access by unauthorised persons
Do not attempt to take action without suitable protective equipment. Equip clean-up crew with proper protection, see SECTION 8 'Exposure controls / personal protection'
Ensure adequate ventilation, including forced ventilation if in an internal space and necessary, and vent externally to be safely away from other persons and the general public
Turn leaking containers leak-side up to prevent the escape of material, and place in a sealable leak proof container, label this with the contents
Avoid inhalation of vapours, wear respiratory protection as SECTION 8.2

6.2 Environmental Precautions

Prevent the product from entering drains, sewers or watercourses (refer to

SECTION 11). Contain the spillage using bunding

Alert the Environmental Agency in the event of spillage, etc entering water ways, sewers or drains

6.3 Methods and Materials for Containment and Cleaning Up

Clean-up should ONLY be dealt with by qualified persons familiar with the specific product

Stop the leak if it is safe to do so

Large spillages should be contained by bunding using absorbent materials and carefully transferred into sealable impervious containers. Remnants from large spillages and small spillages should be absorbed and transferred into these containers

Appropriate bunding / absorbent materials: sand, sawdust, universal absorbent and diatomaceous earth

All washings to be retained within the bunding and fully collected up into sealable impervious waste container(s), label these with the contents

All contaminated bunding, including all suspected of being contaminated, to be collected up and transferred to these waste containers

All containers to be labelled and held for disposal as SECTION 13

6.4 Reference to Other Sections

Refer to SECTIONS 8 (Personal Protection / Exposure Controls), 12 (Ecological Information) and 13 (Disposal Consideration) of the SDS

SECTION 7. Handling and Storage

7.1 Precautions for Safe Handling

a. Safe handling

Wear protective equipment as required by use- see SECTION 8

Do not get in eyes, on skin or on clothing - see SECTION 8 for the protection of work clothing. Obtain special instructions before use. Do not handle or use until all safety precautions have been read and understood. Only use outdoors or in well ventilated areas

Do not breathe vapours, aerosols or gases

b. Hygiene measures

Do not eat, drink or smoke when handling. Wash hands and other exposed areas with mild soap and water after using the material and remove contaminated clothing and protective equipment before entering areas where food and drink are consumed and when leaving the work site

Contaminated work clothing should not be allowed out of the work site. See SECTION 13 for the protection of work clothing and the washing or disposal of contaminated work clothing and boots

c. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures

d. Operations and conditions that could create new risks

Do not allow opened, part used or the container in use to come into contact with other materials including all surfaces around. Ensure the containers are securely sealed during transport, storage and when at the work site

e. Reduce risk of release to the environment

Avoid spillage. Ensure the floor at storage, transport and the work location will not allow access to drains or water courses. Lay heavy gauge plastic sheeting or similarly impervious protective covering when mixing and dispensing. Contain and clean up spillage as SECTION 6.3 of the SDS

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- a. Storage conditions
Store in a well ventilated locked area, keep cool and away from direct sunlight. Only store in original containers. Keep container tightly closed. The floor of the storage area to be impermeable to prevent the escape of spillage
- b. Maximum storage period
Maximum storage period (shelf life): 12 months from date of manufacture
Use of the stock must be by manufacturing date or expiry date rotation. Containers past their expiry date must be removed for disposal according to SECTION 13 of the SDS
- c. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration
Protect from freezing, frost, heat and direct sunlight. Keep away from sources of ignition, open flames or excessive heat

Ensure containers are securely closed against vibration spillage during transport when loading / unloading vehicles, during transport and moving from vehicle to the work location. Unopened containers to be protected against damage during these movements
- d. Storage with other substances and mixtures
Only store in the original packaging. Store against falling / touching other materials and in an allocated location

Store away from water
- e. Storage room design, quantity limits, ventilation and packaging compatibilities
Storage room to be dry, ventilated, and constructed to have impermeable floors and walls to prevent the escape of spillages into the environment
- f. Other considerations
No other data available
- 7.3 Specific End Use(es)
An injection resin for waterproofing. Refer to the Technical Data Sheet for further information

SECTION 8. Personal Protection/Exposure Control

8.1 Control Parameters

Workplace Exposure Limits (WEL)

EH40: Taken from the HSE EH40/2005 (3rd edition, published 2018):
- not stated = not on EH40
- if no 15 min STEL, 3x TWA used

Carc: Capable of causing cancer and / or heritable genetic damage

Sen: Capable of causing occupational asthma

Sk: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systematic toxicity

Substance & CAS	Long-term exposure limit (8hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Comments	Source
	ppm	mg / m ³	ppm	mg / m ³		
Polypropyleneglycol 25322-69-4					The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to substances identified in IOELV Directives	HSE
	NDA - not on the EH40 Table					

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

- a. Ventilation
Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an internal or enclosed space, with safe exhaust away from

b.	Isolation	other persons. The floor must be impermeable to prevent the escape of liquids, laying impermeable protective covering if in doubt
c.	Washing	Isolate the work area with warning signage against unauthorised access. Ensure all other persons are pre-notified of the works and remain clear of the work area
d.	Against contamination	Provide eye wash facilities, individual eye wash ampoules and safety shower Refer to SECTION 15.1 for any 'Other Regulations' and the REACH Annex XVII statements there Only mix the 2 Parts of the product on impervious protective sheeting and with this laid at the area(s) where the mixed product is to be applied, against splashes onto the person(s) performing this task, any other persons and onto the surrounding areas: <ul style="list-style-type: none"> • When opening each Part and when progressively mixing them together • When using the power mixer / paddle off a drill, include erecting barrier around if necessary to stop splashes off the protective sheeting onto other persons, structures, ground, etc • When applying the mixed product to the area(s) to be treated • The person(s) performing this to wear disposable overshoes over their safety work boots when working off the protective sheeting against walking contamination onto the surrounding area • When the mixing is done, dispose of the contaminated protective sheeting, the overshoes, etc as controlled waste
e.	Mists	Prevent the formation of vapour or aerosol
f.	Hygiene & Occupational care	Do not eat, drink or smoke during stirring or use of the product. Wash hands with soap and water before eating, drinking or smoking and when leaving the work site for natural breaks, break times and at end of day
8.2.2 Personal Protective Equipment		
a.	Work clothing	Impervious disposable 1-piece covering to body, legs and arms with closure at wrists and ankles, and disposable overshoes
b.	Eye / face protection	Tight fitting safety chemical goggles / safety glasses with side protection or face visor EN166 If at risk of splashing to face when mixing the 2-part product wear a full face visor
c.	Skin protection	
	(i) Hand Protection	To be impermeable and resistant to the product / substance / mixture. Due to missing tests no recommendation to the glove material can be given Selection of the glove material to be on consideration of the penetration times, rates of diffusion and the degradation
	Material of gloves	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374 The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case Gloves to be tightly fitting at the wrists and extend onto the disposable 1-piece covering. Cloves must be inspected prior to each time used and must be replaced when damaged or worn out Impervious gloves, chemical resistant: conforming to EN 374
	Penetration time of gloves	Breakthrough time of the glove material > 4 hours
	(ii) Other	Chemical resistant safety boots with external feed for the laces, not holes for

- d. Respiratory protection
- the laces
Safety helmet if required, or other head covering, against splashes
Good hygiene measures should be followed at all time
Mouth & nose filter face mask to EN149:2001.
In the case of inadequate ventilation wear an appropriate gas filter (i.e. type A according to EN 14387) is worn
Mist formation; wear protection as for inadequate ventilation
- e. Thermal hazards
- NDA
- f. Environmental exposure measures
- Avoid release to the environment
- g. Hygiene measures
- Wash thoroughly after handling. Do NOT eat, drink or smoke while using this product. Remove contaminated clothing, see SECTION 13 for the washing or disposal of contaminated clothing

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	(i) Form	Liquid
	(ii) Colour	Colourless
• Odour		NDA
• Odour threshold		NDA
• pH		NDA
• Melting point/range °C		N/A
• Freezing point/range °C		NDA
• Initial boiling point/range °C		NDA
• Flash point/self-ignition °C		NDA
• Evaporation rate		NDA
• Flammability (solid, gas)		N/A
• Flammability limits, lower %		NDA
• Flammability limits, upper %		NDA
• Auto flammability °C		NDA
• Decomposition temperature		NDA
• Explosive properties		NDA
• Explosive limits		NDA
• Oxidising properties		NDA
• Vapour pressure		NDA
• Relative vapour density at 20°C		NDA
• Relative density		1.005 g/ml
• Specific weight		NDA
• Solubility in water		NDA
• Partition coefficient n-octanol/water		NDA
• Also soluble in		NDA
• Viscosity, kinematic		143.284 mm ² /s
• Viscosity, dynamic		144 mPa.s
• VOC g/l		NDA

NOTE: The above values related to physiochemical properties are typical values for this product and should not, therefore, be construed as a specification

9.2 Other Information NDA

SECTION 10. Stability and Reactivity

- 10.1 Reactivity Stable under recommended transport or storage conditions
Reacts with water
- 10.2 Chemical Stability Stable at room temperature, under recommended transport or storage conditions and when protected against the materials or conditions listed in SECTIONS 10.1 and 10.3
- 10.3 Possibility of Hazardous Reactions No dangerous reactions known under normal conditions of use
- 10.4 Conditions to Avoid Moisture
- 10.5 Incompatible Materials to Avoid Strong oxidisers. May react violently with acids
- 10.6 Hazardous Decomposition Products Combustion: NDA
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 Oral: Not classified
Dermal: Not classified
Inhalation: Not classified

In the absence of experimental toxicological data on the product itself, the potential risks to health were evaluated based on the properties of the constituent substances, according to the criteria laid down by the relevant regulations for Classification

Hazardous ingredients

Substance	Route	Test	Species	Value
CAS 25322-69-4 Polypropyleneglycol	Oral	LD50	Rat	1,000-2,000 mg/kg
	Dermal	LD50	Rabbit	> 10,000 mg/kg

Relevant hazards for product

Hazard	Negative Symptoms
Acute toxicity - oral	Harmful if swallowed

Other hazards

Hazard	Basis
Respiratory hazard / inhalation	Not classified
Serious eye damage / irritation	Not classified
Skin sensitisation	Not classified
Skin corrosion / irritation	Not classified
Carcinogenicity	Not classified
Germ cell mutagenicity	Not classified
Reproductive toxicity	Not classified
STOT single exposure	Not classified
STOT repeated exposure	Not classified
Acute toxicity - dermal	NDA

Acute toxicity - inhalation	NDA
Ingestion	NDA
Aspiration hazard	Not classified

Viscosity, kinematic 143.284 mm²/s

Other information The product was not tested. The data reported here are based on the manufacturer's SDS which is based on information contained in the safety data sheets of the raw materials that make up the product

SECTION 12. Ecological Information

12.1 Toxicity

Environment Not considered harmful to aquatic organisms nor to cause long-term adverse effect to the environment

Aquatic toxicity Acute toxicity: Not classified
Chronic toxicity: Not classified

12.2 Persistence and Biodegradability No additional information available

12.3 Bioaccumulative Potential No additional information available

12.4 Mobility in Soil No additional information available

12.5 Results of PBT & vPvT Assessment No additional information available

12.6 Other Adverse Effects Avoid release to the environment
No additional information available

12.7 Additional information The product was not tested. The data reported here are based on the manufacturer's SDS which is based on information contained in the safety data sheets of the raw materials that make up the product
No other information available

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations Treat as SECTION 6: Accidental Release Measures
- Disposal operations **NOTE:** The surface can skin over leaving the material below in its liquid state
Dispose at approved waste collection sites as controlled waste
- Disposal of packaging Metallic 12L drum with cap inset into the top face so cannot access internally to clean, dispose to controlled waste disposal and including metal recycling if possible by them
- Waste code number Product: 17 09 03*
Packaging Metal drum with resin remnants: 17 04 09*
- Special precautions for the disposal method Ensure substances or mixtures are not mixed with other materials and if held in the same outer container with other materials all are in separate sealed containers within the outer container
- NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

SECTION 14. Transport Information

ADR	IMDG	IATA	ADN	RID
-----	------	------	-----	-----

14.1 UN Number				
N/A	N/A	N/A	N/A	N/A
14.2 UN proper shipping name				
N/A	N/A	N/A	N/A	N/A
14.3 Transport hazard class(es)				
N/A	N/A	N/A	N/A	N/A
14.4 Packing group				
N/A	N/A	N/A	N/A	N/A
14.5 Environmental hazards				
N/A	N/A	N/A	N/A	N/A
No supplementary information available				

4.6 Special Precautions for User

- Overland transport N/A
- Transport by sea N/A
- Air transport N/A
- Inland waterway transport N/A
- Rail transport N/A

14.7 Transport in Bulk According to:

- (i) Annex II of Marpol N/A
- (ii) the IBC Code N/A

SECTION 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

COMMISSION REGULATIONS (EC) No 1272/2008 and (EU) No 2015/830 of 28/05/2015 amending Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- Other regulations, limitations and prohibitive regulations
 - Contains no REACH substances with Annex XVII restrictions
 - Contains no substance on the REACH candidate list
 - Contains no REACH Annex XIV substances
 - Directive 2012/18/EU (SEVESO III)

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out. Data from the component substances is included in this SDS

SECTION 16. Other Information

16.1 Basis of this SDS

The data reported here are based on the manufacturer's SDS which is based on information contained in the safety data sheets of the raw materials that make up the product

16.2 Changes Compared to the Previous Version

Date	Replaces	Sections	Item	Change	Comment
27/02/19	N/A				This is the 1st issue, read the entire document
04/12/19	1.0	8.2.1 d) 16.7	Engineering controls: d) Against Contamination Disclaimer	Amended Expanded	Read this sub section Against non-recommended use

16.3 Key literature and sources of data Regulation (EC) 1907/2006
Regulation (EC) No. 1272/2008
Regulation (EU) No. 2015/830
Supplier SDS
ECHA, including REACH dossier for component substances
EH40/2005 3rd Edition, 2018

16.4 Abbreviations & Acronyms CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances
EINECS: European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substance number
HSE: (UK) Health & Safety Executive
IBC Code: International Building Code
LD50: Lethal dose, 50% affected
MARPOL: International Convention for the Prevention of Pollution from Ships
N/A: Not Applicable
NDA: No Data Available
PBT: Persistent, Bioaccumulative and Toxic substances
vPvB: Very Persistent and very Bioaccumulative substances
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals: Regulation (EC) No 1907/2006
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
STOT RE: Specific target organ toxicity (from) repeated exposure
STOT SE: Specific target organ toxicity (from) single exposure
TWA: Time Weighted Averages
VOC: Volatile organic compounds

16.5 Full text of H and EUH statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
H302	Harmful if swallowed

16.6 Training advice Obtain special instructions and read the Safety Data Sheet before use. Do not handle until all safety precautions have been read and understood. It is recommended that workers are trained in the safe handling of hazardous chemicals

16.7 DISCLAIMER

Persons using the information contained here must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where these purposes are other than as specifically recommended in this Safety Data Sheet and in the Technical Data Sheet, then the user uses the product at their own risk

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best on the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use

SECTION 1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifier

- Product form: Mixture
- Product name: Newton 322-SP
- Product codes: 322-SP

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture: Professional use only
Injection resin for waterproofing
- Uses advised against: Not for any other use

Details of the Supplier of the Safety Data Sheet

- Company Address: Newton Waterproofing Systems, Newton House, 17-20 Sovereign Way, Tonbridge, Kent TN9 1RH
- Web: www.newtonwaterproofing.co.uk
- Email address of the competent person: info@newtonwaterproofing.co.uk
- Emergency telephone numbers: Newton Waterproofing systems - English language
+44 (0)1732 360095/08:00-17:30 (GMT) Mon-Thur & 08:00-17:00 (GMT) Fri

SECTION 2. Hazards Identification

- Refer to SECTION 16 for: The explanation of the abbreviations used throughout this SDS
The full list of Hazard Phrases & Precautionary Statements stated throughout this SDS

2.1 Classification of the Substance or Mixture

- Classification under Regulation (EC) No. 1272/2008 (CLP)



Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2,	H319
Acute Tox 4 (Inhalation: dust, mist)	H332
Resp. Sens. 1	H334
Carc. 2	H351
STOT SE 3	H335
STOT RE 2	H373

 Full text of hazard classes and H-statements: see SECTION 16
- Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled

2.2 Label Elements

- Hazard statements: As 2.1 Classification under CLP
- Signal words (CLP): Danger

<ul style="list-style-type: none"> Hazard pictograms (CLP) 	 
	<p>GHS07 GHS08</p>
<ul style="list-style-type: none"> Hazardous ingredients 	<p>Diphenylmethane-4,4'-diisocyanate Diphenylmethanediisocyanate, isomers and homologues</p>
<ul style="list-style-type: none"> Hazard statements (CLP) 	<p>H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H351 Suspected of causing cancer H373 May cause damage to organs through prolonged or repeated exposure</p>
<ul style="list-style-type: none"> Precautionary statements (CLP) 	<p>P260 Do not breathe dust, fume, gas, mist, spray, vapours P280 Wear protective gloves / clothing and eye / face protection P302+P352 IF ON SKIN: Wash with plenty of water P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. +P338 Remove contact lenses, if present and easy to do. Continue rinsing P333+P313 If skin irritation or rash occurs: Get medical advice / attention P501 Dispose of contents / container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation</p>
<ul style="list-style-type: none"> EUH statements 	<p>EUH204 Contains isocyanates: May produce an allergic reaction</p>
<ul style="list-style-type: none"> Other 	<p>To be handled and used in accordance with good occupational hygiene and safety practice. Wear PPE as SECTION 8.2, handle and store as SECTION 7, manage accidental release as SECTION 6 and follow the instructions in the Data Sheet</p>
2.3 Other Hazards	
<ul style="list-style-type: none"> PBT / vPvB 	<p>No additional information available</p>
<ul style="list-style-type: none"> Other Hazards 	<p>NDA</p>
<ul style="list-style-type: none"> Other information 	<p>Classification and labelling have been made on the basis of safety data sheets of the raw materials that make up the product</p>

SECTION 3. Composition/information on ingredients

3.2 Mixture

This product is a mixture

Hazardous Substances

Chemical name	CAS	EC No.	EC Index-No	REACH Registration Number	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0	615-005-0-9	01-2119457014-47	20-40	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4 (inhalation), H332 Acute Tox. 4 (inhalation dust, mist), H332 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Diphenylmethanediisocyanate, isomers and homologues	9016-87-69			01-2119457014-47	40-70	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, (inhalation), H332 Resp. Sens. 1, H334 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

Specific Concentration Limits				
Chemical Name	CAS	EC No	REACH Registration Number	Specific concentration Limits
Diphenylmethane-4,4'-diisocyanate	101-68-8	202-966-0	01-2119457014-47	(C ≥ 0.1%) Resp. Sens. 1, H334 (C ≥ 5%) Skin Irrit. 2, H315 (C ≥ 5%) Eye Irrit. 2, H319 (C ≥ 5%) STOT SE 3, H335

NB

Refer to SECTION 8 for Personal Protection / Exposure Controls

Refer to SECTION 16 for the full text of Hazard Statements

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

- General
 - Never give anything by mouth to an unconscious person. If exposed or concerned get medical advice / attention. If you feel unwell, seek medical advice
 - Those assisting the exposed persons to take no action involving personal risk or without training. Performing mouth-to-mouth can be dangerous, only to be done by trained personnel
 - Eye bathing equipment and First Aid Box should be available
 - Take this SDS with you when seeking medial advice
- Skin contact
 - Remove contaminated clothing. Gently remove all traces of product and wash with plenty of soap and water. Continue to rinse for at least 10 minutes. If skin irritation or rash occurs seek medial advice / attention

- **Eye contact** Do not rub. Immediately rinse eyes cautiously with plenty of water for at least 15 minutes holding the eyelids open. Remove contact lenses if present and easy to do so, then continue to rinse cautiously for 15 minutes. Obtain medical attention if pain, irritation, blinking or redness persists
- **Ingestion** Wash out mouth with water. Do NOT induce vomiting. Get emergency medical attention. If vomiting occurs, the head should be kept forward and low so vomit does not enter the lungs. Never give anything to an unconscious person. Move the exposed person to fresh air. If unconscious, place in the recovery position and get medical advice immediately. Loosen tight clothing such as collar, tie, belt and waistband. Call a doctor or poison centre if you feel unwell
- **Inhalation** Ventilate the area. Remove person from the contaminated place to rest in fresh air and keep comfortable and breathing. Assure fresh air breathing. Loosen tight clothing such as collar, tie, belt or waistband. If you feel unwell seek medical advice. Call a doctor or poison centre if you feel unwell
- **Self-protection for first aiders** No action to be taken involving any personal risk or without suitable training. If it is suspected that the mixture is still present, wear appropriate Personal Protection Equipment, see SECTION 8.2. Wear gloves to remove contaminated clothing, see SECTION 13 for washing or disposal

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- **Skin contact** Causes skin irritation. Irritation. May cause and allergic reaction
- **Eye contact** Causes serious eye irritation. Eye irritation
- **Ingestion** May be harmful if swallowed
- **Inhalation** Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled
- **Delayed / immediate effects** NDA

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- **Immediate / special treatment** No specific treatment. Treat symptomatically

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media

Water spray, dry powder, carbon dioxide, foam

Unsuitable extinguishing media: Do not use a heavy water stream

5.2 Special Hazards Arising from the Material

Toxic fumes may be released

5.3 Advice for Firefighters

Isolate the affected area

All persons to be immediately removed from the vicinity of the fire. Fire to be dealt with by trained personnel and without involving personal risk

Exercise caution when fighting any chemical fire

Collect the fire fighting water separately. Prevent from entering the environment, waterways, sewers and drains, alert the Environmental Agency if this occurs

Do not enter the area without wearing proper protective equipment, including respiratory protection

Do not attempt to take action without suitable protective equipment. Self contained breathing apparatus. Complete protective clothing

SECTION 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- **General measures** Do not attempt to take action without wearing suitable personal protection,

- Non-emergency personnel
 - refer to SECTION 8.2 of the SDS
 - Ensure adequate ventilation
 - Evacuate unnecessary personnel
 - Do not touch or walk through the spilled material. Ventilate spillage area. Do not breathe dust / fumes/ gas / vapours / mist / spray. Avoid contact with skin and eyes
 - Emergency personnel
 - Evacuate unnecessary personnel and those not wearing the suitable protection. If outside do not approach from downwind. If outside keep bystanders and passing persons upwind and away from the danger point. Mark out the contaminated area with signage and prevent access by unauthorised persons
 - Do not attempt to take action without suitable protective equipment. Equip clean-up crew with proper protection, see SECTION 8 'Exposure controls / personal protection'
 - Ensure adequate ventilation, including forced ventilation if in an internal space and necessary, and vent externally to be safely away from other persons and the general public
 - Turn leaking containers leak-side up to prevent the escape of material, and place in a sealable leak proof container, label this with the contents
 - Avoid inhalation of vapours, wear respiratory protection as SECTION 8.2
- 6.2 Environmental Precautions**
- Prevent the product from entering drains, sewers or watercourses (refer to SECTION 11). Contain the spillage using bunding
 - Alert the Environmental Agency in the event of spillage, etc entering water ways, sewers or drains
- 6.3 Methods and Materials for Containment and Cleaning Up**
- Clean-up should ONLY be dealt with by qualified persons familiar with the specific product
 - Stop the leak if it is safe to do so
 - Large spillages should be contained by bunding using absorbent materials and carefully transferred into sealable impervious containers. Remnants from large spillages and small spillages should be absorbed and transferred into these containers
 - Appropriate bunding / absorbent materials: sand, sawdust, universal absorbent and diatomaceous earth
 - All washings to be retained within the bunding and fully collected up into sealable impervious waste container(s), label these with the contents
 - All contaminated bunding, including all suspected of being contaminated, to be collected up and transferred to these waste containers
 - All containers to be labelled and held for disposal as SECTION 13
- 6.4 Reference to Other Sections**
- Refer to SECTIONS 8 (Personal Protection / Exposure Controls), 12 (Ecological Information) and 13 (Disposal Consideration) of the SDS

SECTION 7. Handling and Storage

7.1 Precautions for Safe Handling

- a. Safe handling
 - Persons already sensitised to diisocyanates may develop allergic reactions when using this product
 - Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product
 - Wear protective equipment as required by use- see SECTION 8

Do not get in eyes, on skin or on clothing - see SECTION 8 for the protection of work clothing. Obtain special instructions before use. Do not handle or use until all safety precautions have been read and understood. Only use outdoors or in well ventilated areas

Do not breathe vapours, aerosols or gases

b. Hygiene measures

Do not eat, drink or smoke when handling. Wash hands and other exposed areas with mild soap and water after using the material and remove contaminated clothing and protective equipment before entering areas where food and drink are consumed and when leaving the work site

Contaminated work clothing should not be allowed out of the work site. See SECTION 13 for the protection of work clothing and the washing or disposal of contaminated work clothing and boots

c. Prevention of handling incompatible substances or mixtures

Do not handle other substances or mixtures at the same time. Keep away from other substances and mixtures

d. Operations and conditions that could create new risks

Do not allow opened, part used or the container in use to come into contact with other materials including all surfaces around. Ensure the containers are securely sealed during transport, storage and when at the work site

e. Reduce risk of release to the environment

Avoid spillage. Ensure the floor at storage, transport and the work location will not allow access to drains or water courses. Lay heavy gauge plastic sheeting or similarly impervious protective covering when mixing and dispensing. Contain and clean up spillage as SECTION 6.3 of the SDS

7.2 Conditions for Safe Storage, Including Any Incompatibilities

a. Storage conditions

Store in a well ventilated locked area, keep cool and away from direct sunlight. Only store in original containers. Keep container tightly closed. The floor of the storage area to be impermeable to prevent the escape of spillage

b. Maximum storage period

Maximum storage / use period: Refer to the 'Best Before' date on the container label

Use of the stock should be by Best Before date rotation, using the oldest dates first. Containers past their Best Before date should be removed for disposal according to SECTION 13 of the SDS

c. Control of the effects of weather, ambient pressure, temperature, sunlight, humidity and vibration

Protect from freezing, frost, heat and direct sunlight. Keep away from sources of ignition, open flames or excessive heat

Ensure containers are securely closed against vibration spillage during transport when loading / unloading vehicles, during transport and moving from vehicle to the work location. Unopened containers to be protected against damage during these movements

d. Storage with other substances and mixtures

Only store in the original packaging. Store against falling / touching other materials and in an allocated location

e. Storage room design, quantity limits, ventilation and packaging compatibilities

Storage room to be dry, ventilated, and constructed to have impermeable floors and walls to prevent the escape of spillages into the environment

f. Other considerations

No other data available

7.3 Specific End Use(es)

An injection resin for waterproofing. Refer to the Technical Data Sheet for further information

SECTION 8. Personal Protection/Exposure Control

8.1 Control Parameters

Workplace Exposure Limits (WEL)

EH40: Taken from the HSE EH40/2005 (3rd edition, published 2018):

- not stated = not on EH40
- if no 15 min STEL, 3x TWA used

Carc: Capable of causing cancer and / or heritable genetic damage

Sen: Capable of causing occupational asthma

Sk: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systematic toxicity

Substance & CAS	Long-term exposure limit (8hr TWA reference period)		Short-term exposure limit (15 minute reference period)		Comments	Source
	ppm	mg / m ³	ppm	mg / m ³		
Diphenylmethanediisocyanate, isomers and homologues						
9016-87-9	-	0.02	-	0.07	Sen	EH40 Isocyanates
Diphenylmethane-4,4'-diisocyanate						
101-68-8	-	0.02	-	0.07	Sen	EH40 Isocyanates

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls

- a. Ventilation
Ensure there is sufficient ventilation in the area, including forced ventilation if necessary or in an internal or enclosed space, with safe exhaust away from other persons. The floor must be impermeable to prevent the escape of liquids, laying impermeable protective covering if in doubt
- b. Isolation
Isolate the work area with warning signage against unauthorised access. Ensure all other persons are pre-notified of the works and remain clear of the work area
- c. Washing
Provide eye wash facilities, individual eye wash ampoules and safety shower
- d. Against contamination
Refer to SECTION 15.1 for any 'Other Regulations' and the REACH Annex XVII statements there
Only mix the 2 Parts of the product on impervious protective sheeting and with this laid at the area(s) where the mixed product is to be applied, against splashes onto the person(s) performing this task, any other persons and onto the surrounding areas:
 - When opening each Part and when progressively mixing them together
 - When using the power mixer / paddle off a drill, include erecting barrier around if necessary to stop splashes off the protective sheeting onto other persons, structures, ground, etc
 - When applying the mixed product to the area(s) to be treated
 - The person(s) performing this to wear disposable overshoes over their safety work boots when working off the protective sheeting against walking contamination onto the surrounding area
 - When the mixing is done, dispose of the contaminated protective sheeting, the overshoes, etc as controlled waste
- e. Mists
Prevent the formation of vapour or aerosol
- f. Hygiene & Occupational care
Do not eat, drink or smoke during stirring or use of the product. Wash

8.2.2 Personal Protective Equipment		hands with soap and water before eating, drinking or smoking and when leaving the work site for natural breaks, break times and at end of day
a.	Work clothing	Impervious disposable 1-piece covering to body, legs and arms with closure at wrists and ankles, and disposable overshoes
b.	Eye / face protection	Tight fitting safety goggles, safety glasses with side protection or face visor EN166
c.	Skin protection	To be impermeable and resistant to the product / substance / mixture. Due to missing tests no recommendation to the glove material can be given Selection of the glove material to be on consideration of the penetration times, rates of diffusion and the degradation
	(i) Hand Protection	
	Material of gloves	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC, this being repealed by EU 2016/425 on 21/04/2018, and the resultant standard EN 374 The selection of the suitable gloves does not only depend upon the material, but also further marks of quality and varies from manufacturer to manufacturer Break through, and other characteristics, depending upon material density and the glove type, and must be determined in each case Gloves to be tightly fitting at the wrists and extend onto the disposable 1-piece covering. Gloves must be inspected prior to each time used and must be replaced when damaged or worn out Impervious gloves, chemical resistant: conforming to EN 374
	Penetration time of gloves	Breakthrough time of the glove material > 4 hours
	(ii) Other	Chemical resistant safety boots with external feed for the laces, not holes for the laces Safety helmet if required, or other head covering, against splashes Good hygiene measures should be followed at all time
d.	Respiratory protection	Mouth & nose filter face mask to EN149:2001. In the case of inadequate ventilation wear an appropriate gas filter (i.e. type A according to EN 14387) is worn Mist formation; wear protection as for inadequate ventilation
e.	Thermal hazards	NDA
f.	Environmental exposure measures	Avoid release to the environment
g.	Hygiene measures	Wash thoroughly after handling. Do NOT eat, drink or smoke while using this product. Remove contaminated clothing, see SECTION 13 for the washing or disposal of contaminated clothing

SECTION 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

• Appearance	(i) Form	Liquid
	(ii) Colour	Brown
• Odour		Characteristic odour
• Odour threshold		NDA
• pH		NDA
• Melting point/range °C		N/A

• Freezing point/range °C	NDA
• Initial boiling point/range °C	NDA
• Flash point/self-ignition °C	NDA
• Evaporation rate	NDA
• Flammability (solid, gas)	N/A
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	NDA
• Decomposition temperature	NDA
• Explosive properties	NDA
• Explosive limits	NDA
• Oxidising properties	NDA
• Vapour pressure	NDA
• Relative vapour density at 20°C	NDA
• Relative density	1.105 g/ml
• Specific weight	NDA
• Solubility in water	NDA
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Viscosity, kinematic	56.109 mm ² /s
• Viscosity, dynamic	62 mPa.s
• VOC g/l	NDA

NOTE: The above values related to physiochemical properties are typical values for this product and should not, therefore, be construed as a specification

9.2 Other Information NDA

SECTION 10. Stability and Reactivity

10.1 Reactivity	Stable under recommended transport or storage conditions Reacts with water
10.2 Chemical Stability	Stable at room temperature, under recommended transport or storage conditions and when protected against the materials or conditions listed in SECTIONS 10.1 and 10.3
10.3 Possibility of Hazardous Reactions	No dangerous reactions known under normal conditions of use
10.4 Conditions to Avoid	High temperatures. Moisture
10.5 Incompatible Materials to Avoid	No additional information available
10.6 Hazardous Decomposition oxides	During combustion: carbon dioxide, carbon monoxide, nitrogen
Products	

SECTION 11. Toxicological Information

11.1 Information on Toxicological Effects	
• Acute toxicity	Harmful if inhaled In the absence of experimental toxicological data on the product itself, the potential risks to health were evaluated based on the properties of the constituent substances, according to the criteria laid down by the relevant

regulations for Classification

ATE (Acute Toxicity Estimates) under CLP	
Dust, mist	1.557 mg/L/4hr

Hazardous ingredients

Substance	Route	Test	Species	Value
CAS 101-68-8 Diphenylmethane-4,4'-diisocyanate	Oral	LD50	Rat	>10,000 mg/kg
	Dermal	LD50	Rabbit	> 9,400 mg/kg
	Inhalation	LD50	Rat (mg/L)	0.49 mg/L/4hr
CAS 9016-87-9 Diphenylmethanediisocyanate, isomers and homologues	Oral	LD50	Rat	>10,000 mg/kg
	Dermal	LD50	Rabbit	>9,400 mg/kg
	Inhalation	LD50	Rat (mg/L)	0.31 mg/L/4hr

Relevant hazards for product

Hazard	Negative Symptoms
Respiratory hazard / inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Serious eye damage / irritation	Causes serious eye irritation
Skin sensitisation	May cause an allergic skin reaction
Skin corrosion / irritation	Causes skin irritation
Carcinogenicity	Suspected of causing cancer
STOT single exposure	May cause respiratory irritation
STOT repeated exposure	May cause damage to organs through prolonged or repeated exposure

Other hazards

Hazard	Basis
Acute toxicity - oral	NDA
Acute toxicity - dermal	NDA
Acute toxicity - inhalation	NDA
Ingestion	NDA
Germ cell mutagenicity	Not classified
Reproductive toxicity	Not classified
Aspiration hazard	Not classified

Viscosity, kinematic 56.109 mm²/s

Other information The product was not tested. The data reported here are based on the manufacturers' SDS which is based on information contained in the safety data sheets of the raw materials that make up the product

SECTION 12. Ecological Information

12.1 Toxicity

Environment Not considered harmful to aquatic organisms nor to cause long-term adverse effect to the environment

Aquatic toxicity Acute toxicity: Not classified
Chronic toxicity: Not classified

12.2 Persistence and Biodegradability No additional information available

12.3 Bioaccumulative Potential No additional information available

- 12.4 Mobility in Soil No additional information available
- 12.5 Results of PBT & vPvT Assessment No additional information available
- 12.6 Other Adverse Effects
NDA
Avoid release to the environment
- 12.7 Additional information
The product was not tested. The data reported here are based on the manufacturers' SDS which is based on information contained in the safety data sheets of the raw materials that make up the product
No other information available

SECTION 13. Disposal Considerations

13.1 Waste Treatment Methods

- Recovery operations Treat as SECTION 6: Accidental Release Measures
- Disposal operations Dispose at approved waste collection sites as controlled waste
- Disposal of packaging Metallic 13.2L drum with cap inset into the top face so cannot access internally to clean, dispose to controlled waste disposal and including metal recycling if possible by them
- Waste code number Part B and wet & solidified mixed Part A+Part B: 17 09 03*
Packaging Metal drum with resin remnants: 17 04 09*
- Special precautions for the disposal method
Ensure substances or mixtures are not mixed with other materials and if held in the same outer container with other materials all are in separate sealed containers within the outer container
- NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

SECTION 14. Transport Information

ADR	IMDG	IATA	ADN	RID
14.1 UN Number				
N/A	N/A	N/A	N/A	N/A
14.2 UN proper shipping name				
N/A	N/A	N/A	N/A	N/A
14.3 Transport hazard class(es)				
N/A	N/A	N/A	N/A	N/A
14.4 Packing group				
N/A	N/A	N/A	N/A	N/A
14.5 Environmental hazards				
N/A	N/A	N/A	N/A	N/A
No supplementary information available				

14.6 Special Precautions for User

- Overland transport N/A
- Transport by sea N/A
- Air transport N/A
- Inland waterway transport N/A
- Rail transport N/A

14.7 Transport in Bulk According to:

- (i) Annex II of Marpol N/A
- (ii) the IBC Code N/A

SECTION 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance, Mixture or Article

COMMISSION REGULATIONS (EC) No 1272/2008 and (EU) No 2015/830 of 28/05/2015 amending Regulation (EC) No 1907/2006 and repealing (EU) 453/2010 20 May 2010 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- Other regulations, limitations and prohibitive regulations

When the information contained within the SDS is complied with the product contains no REACH substances with Annex XVII restrictions
 Contains no substances on the REACH candidate list
 Contains no REACH Annex 14 substance
 Directive 2012/18/EU (SEVESO III)

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out. Data from the component substances is included in this SDS

SECTION 16. Other Information

16.1 Basis of this SDS

The data reported here are based on the manufacturer's SDS which is based on information contained in the safety data sheets of the raw materials that make up the product

16.2 Changes Compared to the Previous Version

Date	Replaces	Sections	Item	Change	Comment
27/02/19	N/A				This is the 1st issue, read the entire document
04/12/19	1.0	8.2.1 d) 16.7	Engineering controls: d) Against Contamination Disclaimer	Amended Expanded	Read this sub section Against non-recommended use

16.3 Key literature and sources of data

Regulation (EC) 1907/2006
 Regulation (EC) No. 1272/2008
 Regulation (EU) No. 2015/830
 Supplier SDS
 ECHA, including REACH dossier for component substances
 EH40/2005 3rd Edition, 2018

16.4 Abbreviations & Acronyms

CLP: EU Regulation 1272/2008: Classification, Labelling & packaging of chemical substances
 HSE: (UK) Health & Safety Executive
 IBC Code: International Building Code
 LD50: Lethal dose, 50% affected
 MARPOL: International Convention for the Prevention of Pollution from Ships
 N/A: Not Applicable
 NDA: No Data Available

PBT: Persistent, Bioaccumulative and Toxic substances
 vPvB: Very Persistent and very Bioaccumulative substances
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals: Regulation (EC) No 1907/2006
 SDS: Safety Data Sheet
 STEL: Short Term Exposure Limit
 STOT RE: Specific target organ toxicity (from) repeated exposure
 STOT SE: Specific target organ toxicity (from) single exposure
 TWA: Time Weighted Averages
 VOC: Volatile organic compounds

16.5 Full text of H and EUH statements

Acute Tox. 4 (Inhalation)	Acute toxicity (Inhalation), Category 4
Acute Tox. 4 (Inhalation: dust, mist)	Acute toxicity (Inhalation: dust, mist), Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage / irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion / irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3, respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
EUH204	Contains isocyanates. May produce an allergic reaction

16.6 Training advice

Obtain special instructions and read the Safety Data Sheet before use. Do not handle until all safety precautions have been read and understood. It is recommended that workers are trained in the safe handling of hazardous chemicals

16.7 DISCLAIMER

Persons using the information contained here must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where these purposes are other than as specifically recommended in this Safety Data Sheet and in the Technical Data Sheet, then the user uses the product at their own risk

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best on the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use