

Rev 1.0 - 28 March 2019

PRODUCT CODE - 341

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

Product Identifier

- Product form Mixture
- Product name Newton 341 PU Cleaner
- Product codes 341

Relevant identified uses of the substance and uses advised against

- Use of substance/mixture Professional use only
Solvent for cleaning Polyurethane from pumps
- 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)

Flam. Liq. 3	H226
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335

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

Flammable liquid and vapour. May cause respiratory irritation. Causes serious skin burns and eye damage. Causes serious eye damage

2.2 Label Elements

- Hazard pictograms (CLP)



GHS02



GHS05



GHS07

- Signal words (CLP) Danger
- Hazardous ingredients Dimethyl sulfoxide & 2-aminoethanol; ethanolamine
- Hazard statements (CLP)

H226:	Flammable liquid and vapour
H314:	Causes severe skin burns and eye damage
H318:	Causes serious eye damage
H335:	May cause respiratory irritation

- Precautionary statements (CLP)
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 - P220 Keep / Store away from combustible materials
 - P260 Do not breathe dust, fume, gas, spray, mist, vapours
 - P280 Wear protective gloves / clothing and eye / face protection
 - P301-P330+P331 if swallowed: rinse mouth. DO NOT induce vomiting
 - P303+P361 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water / shower
 - +P353
 - 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
 - P501 Dispose of contents / container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
- Other 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

- PBT / vPvB ECHA: the substance is not PBT / vPvB
- 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)
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	225-878-4	603-052-00-8		> 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Dimethyl sulfoxide	67-68-5	200-664-3			> 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2-aminoethanol; ethanolamine	141-43-5	205-483-3	603-030-00-8		10-25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox.. 4 (Inhalation: dust, mist), H332 Skin Corr. 1B, H314 STOT SE 3, H335
Specific Concentration Limits						
2-aminoethanol; ethanolamine	141-43-5	205-483-3	603-030-00-8	Specific concentration limits		
				(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** Call a doctor immediately
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** Wash with plenty of water, rinse skin with water / shower. Immediately remove contaminated clothing. Call a doctor immediately
- **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. Call a doctor immediately
- **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 immediately
- **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 burns Harmful in contact with skin. Burns
- **Eye contact** Causes serious eye damage. Serious damage to eyes
- **Ingestion** Harmful if swallowed. Burns
- **Inhalation** May cause respiratory irritation. Harmful 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 Powder, dry powder, water spray, foam, alcohol-resistant foam, carbon dioxide

Unsuitable extinguishing media: Heavy water jet

5.2 Special Hazards Arising from the Material

Flammable liquid and vapour

5.3 Advice for Firefighters

Toxic fumes may be released

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

Use water spray or fog for cooling exposed containers

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

Clean-up to only be done by persons trained in the use of the product

Prevent from entering sewers, basements, workpits and any other place where its accumulation can be dangerous

Allow no open flames, sparks, smoking or any other sources of ignition

Do not use clean-up tools, etc. than may cause sparks

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

No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources

Earth-to-ground earthing of the container and receiving equipment. Only use non-sparking tools. Take precautions against static discharge

Flammable vapours may accumulate in the container. Use explosion proof equipment

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

NEWTON 341 PU CLEANER

Cleaning Solvent For Polyurethane

Safety
Data Sheet

3-butoxypropan-2-ol; propylene glycol monobutyl ether CAS 5131-66-8		
Dimethyl sulfoxide CAS 67-68-5		
(as above)	Not on the EH40 WEL Table	HSE

Derived No Effect Level (DNEL)				
Route of Exposure	Acute Effects Local	Acute Effects Systemic	Long Term Effects Local	Long Term Effects Systemic
2-aminoethanol; ethanolamine CAS 141-43-5				
WORKERS				
Inhalation	-	-	3.3 mg/m ³	-
Dermal	NDA	-	NDA	1 mg/kg bw/day
GENERAL POPULATION				
Inhalation	-	-	2 mg/m ³	-
Dermal	NDA	-	NDA	0.24 mg/kg bw/day
Oral	-	-	-	3.75 mg/kg bw/day
Dimethyl sulfoxide CAS 67-68-5				
WORKERS				
Inhalation	-	-	265 mg/m ³	484 mg/m ³
Deermal	-	-	NDA	200 mg/kg bw/day
GENERAL POPULATION				
Inhalation	-	-	47 mg/m ³	120 mg/m ³
Dermal	-	-	-	100 mg/kg bw/day
Oral	-	-	-	60 mg/kg bw/day
3-butoxypropan-2-ol; propylene glycol monobutyl ether CAS 5131-66-8				
WORKERS				
Inhalation	No hazard identified			147 mg/m ³
Dermal	50% in mixture (weight basis)	No hazard identified	50% in mixture (weight basis)	52 mg/kg bw/day
Eyes	No hazard identified	-	No hazard identified	-
GENERAL POPULATION				
Inhalation	No hazard identified			43 mg/m ³
Dermal	50% in mixture (weight basis)	No hazard identified	50% in mixture (weight basis)	22 mg/kg bw/day
Oral	No hazard identified			12.5 mg/kg bw/day

Predicted No Effect Level (PNEC)		
Substance	Environmental Protection Target	Value
3-butoxypropan-2-ol; propylene glycol monobutyl ether CAS 5131-66-8	Fresh water	0.525 mg/L
	Intermittent releases (fresh water)	5.25 mg/L
	Freshwater sediments	2.36 mg/kg sediment dw
	Marine water	0.052 mg/L
	Marine water sediments	0.236mg/kg sediment dw
	Sewage treatment plant	10 mg/L
	Air	No hazard identified
	Soil	0.16 mg/kg soil dw
	Secondary poisoning	No potential for bioaccumulation
Dimethyl sulfoxide CAS 67-68-5	Fresh water	17 mg/L
	Freshwater sediments	13.4 mg/kg sediment dw
	Marine water	1.7 mg/L
	Sewage treatment plant	11 mg/L
	Soil	3.02 mg/kg soil dw
	Secondary poisoning	0.7 g/kg food
2-aminoethanol; ethanolamine CAS 141-43-5	Fresh water	0.085 mg/L
	Intermittent releases (fresh water)	0.028 mg/L
	Freshwater sediment	0.434 mg/kg sediment dw
	Marine water	0.009 mg/L
	Marine water sediment	0.043 mg/kg sediment dw
	Sewage treatment plant	100 mg/L
	Soil	0.037 mg/kg soil dw

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 | Single-Part product, stirring is not required. Work and dispense off impervious protective sheeting against splashes onto the person(s) performing this task, any other persons and onto the surrounding areas: <ul style="list-style-type: none"> • 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 application is done, dispose of 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 | Protective work clothing based on chemical resistance data and assessment |
|------------------|---|

	of the local exposure potential (Type 4: liquid spray, Type 5: solids, Type 6: liquid splash)
	Example: 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, face visor if risk of splashing, 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
(i) Hand Protection	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
Penetration time of gloves	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
(ii) Other	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: Butyl Rubber conforming to EN 374
	Breakthrough time of the glove material > 8 hours
d. Respiratory protection	Chemical resistant safety boots with external feed for the laces, not holes for the laces. Rubber soled against sparks
	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		Solvent
• Odour threshold		NDA
• pH		NDA
• Melting point/range °C		N/A
• Freezing point/range °C		NDA

• Initial boiling point/range °C	130 - 189 °C
• Flash point/self-ignition °C	59 °C
• Evaporation rate	NDA
• Flammability (solid, gas)	NDA
• Flammability limits, lower %	NDA
• Flammability limits, upper %	NDA
• Auto flammability °C	312 °C
• Decomposition temperature	NDA
• Explosive properties	NDA
• Explosive limits	NDA
• Oxidising properties	NDA
• Vapour pressure	0.54 hPa
• Relative vapour density at 20°C	NDA
• Relative density	0.986
• Specific weight	NDA
• Solubility in water	NDA
• Partition coefficient n-octanol/water	NDA
• Also soluble in	NDA
• Viscosity, kinematic	NDA
• Viscosity, dynamic	10 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	Flammable liquid and vapour
10.2 Chemical Stability	Stable 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 - refer to SECTION 7
10.4 Conditions to Avoid	High temperature. Avoid contact with hot surfaces. Heat. No flames. No sparks. Eliminate all sources of ignition
10.5 Incompatible Materials to Avoid	Oxidising agents, bases, metals, combustible materials
10.6 Hazardous Decomposition	Under normal conditions of use and storage, hazardous decomposition products should not be produced To be used and applied according to the Technical Data Sheet

SECTION 11. Toxicological Information

11.1 Information on Toxicological Effects

• Acute toxicity	Acute toxicity (oral):	Not classified
	Acute toxicity (dermal):	Not classified
	Acute toxicity (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
Dimethyl sulfoxide CAS 67-68-5	Oral	LD50	Rat	14,500 mg/kg
	Dermal	LD50	Rat	40 mg/kg

Relevant hazards for product

Hazard	Negative Symptoms
Serious eye damage / irritation	Causes serious eye damage
Skin corrosion / irritation	Causes severe skin burns and eye damage
STOT single exposure	May cause respiratory irritation

Other hazards

Hazard	Basis
Acute toxicity - oral	NDA
Acute toxicity - dermal	NDA
Acute toxicity - inhalation	NDA
Respiratory hazard / inhalation	Not classified
Skin sensitisation	Not classified
Ingestion	NDA
Carcinogenicity	Not classified
Germ cell mutagenicity	Not classified
Reproductive toxicity	Not classified
STOT repeated exposure	Not classified
Aspiration hazard	Not classified

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	Before neutralisation, this product may represent a danger to aquatic organisms
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 ECHA / REACH Dossier: the substance is not PBT/vPvB

12.6 Other Adverse Effects No additional information available
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

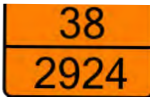
SECTION 13. Disposal Considerations

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: 10kg plastic jerry can with plastic screw cap. Do not wash clean as the washing are controlled waste
- Waste code number: The product: 17 09 03*
Packaging: 17 02 04*
- 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				
2924	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Not regulated	Not regulated	Not regulated	Not regulated
Transport document description				
UN 2924 Flammable Liquid, Corrosive, N.O.S., 3 (8), III, (D/E)	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
3 (8)	Not regulated	Not regulated	Not regulated	Not regulated
	Not regulated	Not regulated	Not regulated	
14.4 Packing group				
III	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Dangerous for the environment: No	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6 Special precautions for users			
Overland transport	Classification code	ADR	FC
	Special provisions	ADR	274
	Limited quantities	ADR	5L
	Excepted quantities	ADR	E1
	Packing instructions	ADR	P001, IBC03, R001
	Mixed packing provisions	ADR	MP19
	Portable tank and bulk container instructions	ADR	T7
	Portable tank and bulk container special provisions	ADR	TP1, TP28
	Tank code	ADR	L4BN
	Vehicle for tank carriage		FL
	Transport category	ADR	3
	Special provisions for carriage - Packages	ADR	V12
	Special provisions for carriage - Operation	ADR	S2
	Hazard identification number (Kemler No.)		38
	Orange plates		
Tunnel restriction code	ADR	D/E	
Transport by sea		Not regulated	
Transport by air		Not regulated	
Inland waterway transport		Not regulated	
Rail transport		Not regulated	
14.7 Transport in bulk according to Annex 11 of Marpol and 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:	
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008	3-butoxypropan-2-ol; propylene glycol monobutyl ether Dimethyl sulfoxide 2-aminoethanol; ethanolamine
3(b). Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008: Hazard classes - 3.1 to 3.6, - 3.7 adverse effects on sexual function and fertility or on development, - 3.8 effects other than narcotic effects, - 3.9 and 3.10	3-butoxypropan-2-ol; propylene glycol monobutyl ether Dimethyl sulfoxide 2-aminoethanol; ethanolamine

Contains no substances on the REACH candidate list

Contains no REACH Annex XIV 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
28/03/19	N/A				This is the 1st issue, read the entire document

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
LC50: Lethal concentration, 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 (Dermal)	Acute toxicity (Dermal), Category 4
Acute Tox. 4 (Inhalation: dust, mist)	Acute toxicity (Inhalation: dust, mist), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (Oral), Category 4
Eye Dam. 1	Serious eye damage / eye irritation, Category 1
Eye Irrit. 2	Serious eye damage / irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion / irritation, Category 1B
Skin Irrit. 2	Skin corrosion / irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3, respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

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

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