E.

_



SAFETY DATA SHEET BLUE CRYSTAL ALPHA

SECTION 1: Identification of the	ne substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	BLUE CRYSTAL ALPHA
Product number	11361
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Water Treatment
1.3. Details of the supplier of t	he safety data sheet
Supplier	Univar Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 sds@univar.com +44 1274 267306
1.4. Emergency telephone nur	nber
Emergency Contact Number (Office Hours)	+44 1274 267346
Emergency Contact Number (Outside Office Hours)	+441865 407333
Sds No.	11361
SECTION 2: Hazards identific	ation
2.1. Classification of the subst	ance or mixture
Classification	Not Classified
Physical hazards Health hazards	
	Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Classification (67/548/EEC or 1999/45/EC)	Xn; R20/22. Xi; R41, R38. N; R50/53
2.2. Label elements	
Pictogram	
	₩ <u></u>
Signal word	Danger

Hazard statements	H318 Causes serious eye damage. H315 Causes skin irritation. H410 Very toxic to aquatic life with long lasting effects. H302+H332 Harmful if swallowed or if inhaled.
Precautionary statements	 P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER/doctor if you feel unwell. P331 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/container in accordance with national regulations.
Contains	N, N, DIMETHYL-2-HYDROXYPROPYLAMMONIUM CHLORIDE POLYMER, COPPER SULPHATE, BRONOPOL (INN)

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

N, N, DIMETHYL-2-HYDROXYPROPYLAMMONIUM CHLORIDE POLYMER		30-60%
CAS number: 25988-97-0		
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22. N;R50/53.	
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

BRONOPOL (INN)		5-10%
CAS number: 52-51-7	EC number: 200-143-0	
M factor (Acute) = 10		
Classification Acute Tox. 3 - H301 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R21/22 Xi;R37/38,R41 N;R50	
COPPER SULPHATE		5-10%
CAS number: 7758-98-7	EC number: 231-847-6 REACH registration number: 01- 2119520566-40	
M factor (Acute) = 10	M factor (Chronic) = 10	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R36/38 N;R50/53	
HYDROCHLORIC ACID%		<1%
CAS number: 7647-01-0	EC number: 231-595-7	
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) C; R34. Xi; R37	
The Full Text for all R-Phrases	and Hazard Statements are Displayed in Section 16.	
Composition comments	The data shown are in accordance with the latest EC Directives.	
SECTION 4: First aid measure	S	
4.1. Description of first aid mea	asures	
Inhalation	Remove affected person from source of contamination. Move affected person to fresh a keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth w water. Get medical attention if any discomfort continues.	
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rins mouth thoroughly with water. Get medical attention immediately.	e
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing skin thoroughly with soap and water. Get medical attention promptly if symptoms occur washing.	

Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.
4.2. Most important symptoms	and effects, both acute and delayed
General information	No specific health hazards known.
Inhalation	May cause an asthma-like shortness of breath.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Irritation of eyes and mucous membranes.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Eye wash facilities and emergency shower must be available when handling this product.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
5.2. Special hazards arising from	om the substance or mixture
Specific hazards	Oxides of the following substances: Carbon.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
	· · · · · · · · · · · ·
for firefighters SECTION 6: Accidental releas	· · · · · · · · · · · ·
for firefighters SECTION 6: Accidental releas	e measures
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Containment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Containment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 6.4. Reference to other section	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Containment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. PS For personal protection, see Section 8.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 6.4. Reference to other section Reference to other sections	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. containment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. P For personal protection, see Section 8.
for firefighters SECTION 6: Accidental releas 6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 6.4. Reference to other section Reference to other sections SECTION 7: Handling and sto	tective equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. S Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. containment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. P For personal protection, see Section 8.

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

COPPER SULPHATE

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³ Short-term exposure limit (15-minute): WEL 2 mg/m³

HYDROCHLORIC ACID ...%

Long-term exposure limit (8-hour TWA): WEL 1 2 Short-term exposure limit (15-minute): WEL 5 8

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

BRONOPOL (INN) (CAS: 52-51-7)

Ingredient comments	No exposure limits known for ingredient(s).
·····	· · · · · · · · · · · · · · · · · · ·

COPPER SULPHATE (CAS: 7758-98-7)

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



controls

Appropriate engineering Provide adequate ventilation.

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. EN 166
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Che	emical Properties
9.1. Information on basic physi	ical and chemical properties
Appearance	Clear liquid.
Colour	Green.
Odour	Slight.
рН	pH (concentrated solution): 1.5 - 2.0
Initial boiling point and range	200°C @
Flash point	100°C CC (Closed cup).
Relative density	1.18 - 2.0 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	360°C
9.2. Other information	
Other information	Not available.
SECTION 10: Stability and rea	ctivity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous	
Possibility of hazardous	Will not polymerise.
reactions	
reactions 10.4. Conditions to avoid	
	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
10.4. Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of
10.4. Conditions to avoid Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of
10.4. Conditions to avoid Conditions to avoid 10.5. Incompatible materials	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids.
 10.4. Conditions to avoid Conditions to avoid 10.5. Incompatible materials Materials to avoid 	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids.
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decomposition	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. <u>In products</u> Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological inf11.1. Information on toxicological	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. n products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological inf11.1. Information on toxicologicalAcute toxicity - oral	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. n products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. formation cal effects
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological inf11.1. Information on toxicologicalAcute toxicity - oralATE oral (mg/kg)	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. n products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological inf11.1. Information on toxicologicalAcute toxicity - oral	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. n products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. formation cal effects
10.4. Conditions to avoid Conditions to avoid 10.5. Incompatible materials Materials to avoid 10.6. Hazardous decomposition Hazardous decomposition products SECTION 11: Toxicological inf 11.1. Information on toxicological Acute toxicity - oral ATE oral (mg/kg) Acute toxicity - dermal ATE dermal (mg/kg) Acute toxicity - inhalation	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. n products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. formation cal effects 752.03 11,011.01
10.4. Conditions to avoidConditions to avoid10.5. Incompatible materialsMaterials to avoid10.6. Hazardous decompositionHazardous decompositionproductsSECTION 11: Toxicological inf11.1. Information on toxicologicalAcute toxicity - oralATE oral (mg/kg)Acute toxicity - dermalATE dermal (mg/kg)	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Strong oxidising agents. Strong acids. In products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formation cal effects

ATE inhalation (dusts/mists mg/l)	5.01
iiig <i>ii</i> j	
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	Harmful if swallowed.
Skin contact	Prolonged and frequent contact may cause redness and irritation.
Eye contact	Severe irritation, burning and tearing.
SECTION 12: Ecological Info	mation
Ecotoxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
12.1. Toxicity	
Toxicity	Very toxic to aquatic organisms.
12.2. Persistence and degrad	ability
Persistence and degradability	There are no data on the degradability of this product.
12.3. Bioaccumulative potenti	al
Bioaccumulative potential	No data available on bioaccumulation.
12.4. Mobility in soil	
Mobility	The product is water-soluble and may spread in water systems.
12.5. Results of PBT and vPv	B assessment
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects	
Other adverse effects	Not applicable.
SECTION 13: Disposal consid	lerations
SECTION 13: Disposal considered and the second seco	
13.1. Waste treatment metho	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the
13.1. Waste treatment method General information	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
13.1. Waste treatment method General information Disposal methods	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
13.1. Waste treatment method General information Disposal methods SECTION 14: Transport inform	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation
13.1. Waste treatment method General information Disposal methods SECTION 14: Transport inform General	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation
13.1. Waste treatment method General information Disposal methods SECTION 14: Transport inform General 14.1. UN number	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation Wear protective clothing as described in Section 8 of this safety data sheet.
13.1. Waste treatment method General information Disposal methods SECTION 14: Transport inform General 14.1. UN number UN No. (ADR/RID)	ds Do not puncture or incinerate, even when empty. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. mation Wear protective clothing as described in Section 8 of this safety data sheet. 3082

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N Dimethyl-2- hydroxypropylammonium chloride polymer , COPPER SULPHATE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N Dimethyl-2- hydroxypropylammonium chloride polymer , COPPER SULPHATE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N Dimethyl-2- hydroxypropylammonium chloride polymer , COPPER SULPHATE)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N Dimethyl-2- hydroxypropylammonium chloride polymer , COPPER SULPHATE)
14.3. Transport hazard class(e	s)
ADR/RID class	9
ADR/RID subsidiary risk	
ADR/RID label	9
IMDG class	9
IMDG subsidiary risk	
ICAO class/division	9
ICAO subsidiary risk	
Transport labels	
3	
14.4. Packing group	
ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
14.5. Environmental hazards	
Environmentally hazardous sul	ostance/marine pollutant

14.6. Special precautions for user

EmS F-A, S-F

Emergency Action Code •3Z

Hazard Identification Number 90 (ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to No information required. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). This product may impact SEVESO storage regulations.
Guidance	CHIP for everyone HSG228. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	02/06/2015
Revision	02
Supersedes date	01/11/2011
SDS number	11361
SDS status	Approved.
Signature	Jitendra Panchal
Risk phrases in full	 R20/22 Harmful by inhalation and if swallowed. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system. R37/38 Irritating to respiratory system and skin. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full	 H301 Toxic if swallowed. 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. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.

TURKISH SIGNATURE