

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product Name: GAC Double Clean
Product Code: TC-02

1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses: Cleaner

1.3 Details of the supplier of the safety data sheet

Global Adjuvants Company
20-22 Wenlock Road
London, N1 7GU, UK
Tel: +44 (0) 1480 810137
Email: office@global-adjuvants.com

1.4 Emergency telephone number

For advice on medical emergencies, fires, spillages or chemical hazards ONLY: +44 (0) 1480 810137

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008 as amended

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements

GHS-Labelling Regulation (EC) No. 1272/2008



Signal word
Danger

Hazard statements

Eye Dam. 1: H318 - Causes serious eye damage
Skin Irrit. 2: H315 - Causes skin irritation

Precautionary statements

P264 Wash thoroughly after use.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

2.3 Other hazards

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Non-applicable

3.2 Mixture

Chemical description

Miscellaneous products

Components:

Identification	Chemical name	Classification according to Regulation 1272/2008	Concentration
CAS: 68910-32-7 EC: 272-734-1 Index: Non-applicable REACH: Non-applicable	Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine	Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	25 - <50 %
CAS: 85443-51-2 EC: 287-243-8 Index: Non-applicable REACH: Non-applicable	Tetrasodium (1-hydroxyethylidene)bisphosphonate	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	3 - <5 %
CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH:01-2119450011-60-XXXX	Dipropylene Glycol Methyl Ether	Not classified	3 - <5 %
CAS: 68131-39-5 EC: 500-195-7 Index: Non-applicable REACH:01-2119488720-33-XXXX	Alcohols, C12-15, ethoxylated (C12-15 PARETH-7)	Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger	3 - <5 %
CAS: 141-43-5 EC: 205-483-3 Index: 603-030-00-8 REACH: 01-2119486455-28-XXXX	2-aminoethanol	Acute Tox. 4: H302+H312+H332; Skin Corr. 1B: H314 - Danger	1 - <3 %

For full text of hazard phrases, refer to section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet.

By eye contact

This product does not contain substances classified as dangerous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Non-applicable.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions

This product is not classified as dangerous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities

Technical measures for storage

Minimum temp.: 0°C
 Maximum temp.: 40°C
 Maximum time: 24 months

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s)

Agricultural Spray Tank Cleaner.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the work environment.

Identification	Environmental limits		
	2-aminoethanol CAS: 141-43-5 EC: 205-483-3	IOELV (8h)	1 ppm
IOELV (STEL)		3 ppm	7.6mg/m ³
Year		2014	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	IOELV (8h)	50 ppm	308 mg/m ³
	IOELV (STEL)	-	-
	Year	2014	

DNEL (Workers)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-aminoethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable

CAS: 141-43-5 EC: 205-483-3	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	3.3 mg/m ³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	65 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	310 mg/m ³	Non-applicable
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7) CAS: 68131-39-5 EC: 500-195-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2080 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	294 mg/m ³	Non-applicable

DNEL (Population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	Oral	Non-applicable	Non-applicable	3.75 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.24 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	2 mg/m ³
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	Oral	Non-applicable	Non-applicable	1.67 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	15 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	37.2 mg/m ³	Non-applicable
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7) CAS: 3794-83-0 EC: 500-195-7	Oral	Non-applicable	Non-applicable	25 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1250 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	87 mg/m ³	Non-applicable
Tetrasodium (1-hydroxyethylidene)bisphosphonate CAS: 3794-83-0 EC: 223-267-7	Oral	6.5 mg/kg	Non-applicable	6.5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable

PNEC:

Identification				
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	STP	100 mg/L	Fresh water	0.085 mg/L
	Soil	0.035 mg/kg	Marine water	0.0085 mg/L
	Intermittent	0.025 mg/L	Sediment (Fresh water)	0.425 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.0425 mg/kg
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	STP	4168 mg/L	Fresh water	19 mg/L
	Soil	2.74 mg/kg	Marine water	1.9 mg/L
	Intermittent	190 mg/L	Sediment (Fresh water)	70.2 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	7.02 mg/kg
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7) CAS: 68131-39-5 EC: 500-195-7	STP	10000 mg/L	Fresh water	0.0446 mg/L
	Soil	1 mg/kg	Marine water	0.0446 mg/L
	Intermittent	0.0446 mg/L	Sediment (Fresh water)	41.3 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	41.3 mg/kg
Tetrasodium (1-hydroxyethylidene)bisphosphonate CAS: 3794-83-0 EC: 223-267-7	STP	580 mg/L	Fresh water	0.134 mg/L
	Soil	41 mg/kg	Marine water	0.014 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	59 mg/kg
	Oral	12000 g/kg	Sediment (Marine water)	5.9 mg/kg

8.2 Exposure controls

General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding ""CE marking"" in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

Specific protection for the hands

Mandatory hand protection.

PPE: Chemical protective gloves

CEN standard: EN 374-1:2003; EN 374-3:2003/AC:2006; EN 420:2003+A1:2009

Replace the gloves at any sign of deterioration.

Ocular and facial protection

Mandatory face protection

PPE: Panoramic glasses against liquid splash

CEN standard: EN 166:2001; EN 172:1994/A1:2000; EN 172:1994/A2:2001; EN 165:2005

Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Bodily protection

Work clothing

For professional use only.

CEN standard: EN 340:2003

Anti-slip work shoes

CEN standard: EN ISO 20347:2004/A1:2007; EN ISO 20344:2011

Additional emergency measures

Emergency shower

Standards: ANSI Z358-1; ISO 3864-1:2002

Eyewash stations

Standards: DIN 12 899; ISO 3864-1:2002

Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C (Supply): 6.8% weight

V.O.C density at 20°C: 73.1 kg/m³ (73.1 g/L)

Average carbon number: 5.01

Average molecular weight: 113.62 g/mol

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state at 20 °C: Liquid

Appearance: Characteristic

Colour: Yellow

Odour: Characteristic

Volatility

Boiling point at atmospheric pressure: Non-applicable *

Vapour pressure at 20 °C: Non-applicable *

Vapour pressure at 50 °C: Non-applicable *

Evaporation rate at 20 °C: Non-applicable *

Product description

Density at 20 °C: 1065 - 1085 kg/m³ (ISO 649-2)
 Relative density at 20 °C: 1.065 - 1.085
 Dynamic viscosity at 20 °C: Non-applicable *
 Kinematic viscosity at 20 °C: Non-applicable *
 Kinematic viscosity at 40 °C: Non-applicable *
 Concentration: Non-applicable *
 pH: 10-11.5 to 100% (ASTM D3838-05)
 Vapour density at 20 °C: Non-applicable *
 Partition coefficient n-octanol/water 20 °C: Non-applicable *
 Solubility in water at 20 °C: Non-applicable *
 Solubility property: Miscible
 Decomposition temperature: Non-applicable *
 Melting point/freezing point: Non-applicable *

Flammability

Flash Point: Non Flammable (>60 °C)
 Autoignition temperature: Non-applicable *
 Lower flammability limit: Non-applicable *
 Upper flammability limit: Non-applicable *

9.2 Other information

Surface tension at 20 °C: Non-applicable *
 Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temp.	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.6 Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products.
 Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide (CO) and other organic compounds.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available.

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

Dangerous health implications

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

Ingestion

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Inhalation

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous for this effect. For more information see section 3.

Contact with the skin and the eyes

- Contact with the skin: Produces skin inflammation.

- Contact with the eyes: Produces serious eye damage after contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Sensitizing effects

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensiblilizing effects. For more information see section 3.

- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Specific target organ toxicity (STOT)-time exposure

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Specific target organ toxicity (STOT)-repeated exposure

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Aspiration hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information

Non-applicable.

Specific toxicology information on the substances

Identification	Acute toxicity		Genus
Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine CAS: 68910-32-7 EC: 272-734-1	LD50 oral	2001 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7) CAS: 68131-39-5 EC: 500-195-7	LD50 oral	500 mg/kg (ATEi)	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	LD50 oral	1515 mg/kg	Rat
	LD50 dermal	2504 mg/kg	Rabbit
	LC50 inhalation	11 mg/L (4h)	Rat
Tetrasodium (1-hydroxyethylidene)bisphosphonate CAS: 3794-83-0 EC: 23-267-7	LD50 oral	1219 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	Non-applicable	

12. ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the mixture itself is not available.

12.1 Toxicity

Identification	Acute toxicity		Species	Genus
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	LC50	10000 mg/L (96 h)	<i>Pimephales promelas</i>	Fish
	EC50	1919 mg/L (48 h)	<i>Daphnia magna</i>	Crustacean
	EC50	Non-applicable		
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	LC50	349 mg/L (96 h)	<i>Cyprinus carpio</i>	Fish
	EC50	65 mg/L (48 h)	<i>Daphnia magna</i>	Crustacean
	EC50	22 mg/L (72 h)	<i>Scenedesmus subspicatus</i>	Algae

12.2 Persistence and degradability

Identification	Degradability		Biodegradability	
	BOD5	Code	Concentration	Period
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BOD5	Non-applicable	Concentration	Non-applicable
	Code	0.00202 g O2/g	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	73 %
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	BOD5	Non-applicable	Concentration	20 mg/L
	Code	Non-applicable	Period	21 days
	BOD5/COD	Non-applicable	% Biodegradable	90%

12.3 Bioaccumulation

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BCF	1
	Pow Log	-0.06
	Potential	Low
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	BCF	3
	Pow Log	-1.31
	Potential	Low

12.4 Mobility in soil

Identification	Absorption/desorption		Volatility	
2-aminoethanol CAS: 141-43-5 EC: 205-483-3	Koc	0.27	Henry	3.7E-5 Pa*m ³
	Conclusion	Very high	Dry soil	No
	Surface tension	50250 N/m (25°C)	Moist soil	No

12.5 Results of PBT and vPvB assessment
 Non-applicable

12.6 Other adverse effects
 Not described.

13. DISPOSAL INFORMATION

13.1 Waste treatment methods

Code	Description	Waste class
-	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP4 Irritant – skin irritation and eye damage, HP6 Acute Toxicity

Waste management (disposal and evaluation)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

14. TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID/IMDG/IATA).

15. REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable
 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
 Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable
 Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable
 Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH)

Non-applicable

Specific provisions in terms of protecting people or the environment

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances

in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation

The product could be affected by sectorial legislation.

15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

16. OTHER INFORMATION

Legislation related to safety data sheets

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

Text of phrases considered in section 2:

H315: Causes skin irritation.

H318: Causes serious eye damage.

Text of phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) n° 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Classification procedure:

Skin Irrit. 2: Calculation method

Eye Dam. 1: Calculation method

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms

-ADR: European agreement concerning the international carriage of dangerous goods by road

-IMDG: International maritime dangerous goods code

-IATA: International Air Transport Association

-ICAO: International Civil Aviation Organisation

-COD: Chemical Oxygen Demand

-BOD5: 5-day biochemical oxygen demand

-BCF: Bioconcentration factor

-LD50: Lethal Dose 50

-LC50: Lethal Concentration 50

-EC50: Effective concentration 50

-Log-POW: Octanol–water partition coefficient

-Koc: Partition coefficient of organic carbon-Koc: Partition coefficient of organic carbon



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