

SAFETY INFORMATION SHEET

Date of Issue: Feb 2004
Revision 3: June 2015

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** **SPRAY TANK CLEANER**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
 Relevant uses: Cleaner. For professional use only.
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
 Vitax Ltd
 Owen Street, Coalville, Leics LE67 3DE
 Tel: 01530 510060
 e-mail: info@vitax.co.uk
- 1.4 Emergency telephone number:** Tel: 01530 510060 (office hours)

2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) n° 1272/2008: Eye Irrit. 2; Eye irritation Cat 2
 Skin Irrit. 2; Dermal irritation Cat 2
- 2.2 Label elements:**
CLP Regulation (EC) n° 1272/2008:
Hazard indications: Eye Irrit H319 Causes serious eye irritation
 Skin Irrit. 2 H315 Causes skin irritation
Cautionary advice: 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
 P332+P313: If skin irritation occurs: Get medical advice/attention
 P337+P313: If eye irritation persists: Get medical advice/attention
 P362: Take off contaminated clothing
- Supplementary information:** Non-applicable
- 2.3 Other hazards:** Non-applicable

3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:** not applicable
- 3.2 Mixture:**
Chemical description: Miscellaneous products
Components:

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Chemical name	Identification CAS/EC/ Index/REACH	Classification	Concentration
Benzenesulfonic acid, mono-C10-16-alkyl derivs with ethanolamine	68910-32-7 272-243-8	Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irr. 2: H315 - Danger	10 -<15 %
(1-hydroxyethylidene)bisphosphonic acid, compound with 2-aminoethanol (1:1)	85443-51-2 287-243-8	Eye Irrit 2: H319; Skin Irrit 2 H315 - Warning	5 - <10 %
Dipropylene Glycol Methyl Ether	34590-94-8 252-104-2 01-2119450011-60-XXXX	Not classified	2.5 - <5 %
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7)	68131-39-5 500-195-7 01-2119488720-33-XXXX	Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger Xi: R41; Xn: R22	1 - <2.5 %
2-aminoethanol	141-43-5 205-483-3 603-030-00-8 01-2119486455-28-XXXX	Acute Tox. 4: H302+H312+H332; Skin Corr. 1B: H314 - Danger	<1 %

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To obtain more information on the risk of the substances consult sections 8, 11, 12 and 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 MSDS of this product.

By eye contact: Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

By skin contact: Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By consumption: 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.

By inhalation: This product is not classified as dangerous through 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 persist.

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: FIREFIGHTING 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.



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7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

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

B.- 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.

C.- Technical recommendations to prevent ergonomic and toxicological risks Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- 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:

A.- Technical measures for storage Minimum Temp.: 0 °C
Maximum Temp.: 40 °C
Maximum time: 24 Months

B.- General conditions for storage Avoid sources of heat, radiation, static electricity and contact with food

7.3 Specific end use(s): Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

There are no environmental limits for the substances contained in the product

Identification	EC/CAS No	Environmental limits		
		IOELV (STEL)	IOELV (8h)	
2-aminoethanol	205-483-3	3 ppm		7.6 mg/m ³
	141-43-5	1 ppm		2.5 mg/m ³
Dipropylene Glycol Methyl Ether	252-104-2	50 ppm		308 mg/m ³
	34590-94-8			

DNEL (Workers[CP1]):

Identification	Exposure route	Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-aminoethanol	Oral	n/a	n/a	n/a	n/a
	Dermal	n/a	n/a	1mg/ m ³	n/a
	Inhalation	n/a	n/a	n/a	3.3 mg/m ³
Dipropylene Glycol Methyl Ether	Oral	n/a	n/a	n/a	n/a
	Dermal	n/a	n/a	65 mg/kg	n/a
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7)	Inhalation	n/a	n/a	130 mg/m ³	n/a
	Oral	n/a	n/a	n/a	n/a
	Dermal	n/a	n/a	2080 mg/kg	n/a
	Inhalation	n/a	n/a	294 mg/m ³	n/a

DNEL (General Population):

Identification	Exposure route	Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-aminoethanol	Oral	n/a	n/a	3.75 mg/kg	n/a
	Dermal	n/a	n/a	0.24 mg/kg	n/a
	Inhalation	n/a	n/a	n/a	2 mg/m ³
Dipropylene Glycol Methyl Ether	Oral	n/a	n/a	1.67 mg/kg	n/a
	Dermal	n/a	n/a	15 mg/kg	n/a
	Inhalation	n/a	n/a	37.2 mg/m ³	n/a



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Alcohols, C12-15, ethoxylated (C12-15 PARETH-7)	Oral Dermal Inhalation	n/a n/a n/a	n/a n/a n/a	25 mg/kg 1250 mg/kg 87 mg/m ³	n/a n/a n/a
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PNEC:

Identification				
2-aminoethanol	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	n/a	Sediment -marine water	0.0425 mg/kg
Dipropylene Glycol Methyl Ether	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	n/a	Sediment -marine water	7.02 mg/kg
Alcohols, C12-15, ethoxylated (C12-15 PARETH-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	n/a	Sediment -marine water	41.3 mg/kg

8.2 Exposure controls:

A.- 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.

B.- Respiratory protection

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

C.- Specific protection for the hands

Chemical protective gloves CE Cat 1 EN 374-1:2001, EN 374-3:2003/AC:2006, EN 420:2003+A1:2009. Replace gloves at any sign of deterioration.

D.- Ocular and facial protection

Panoramic glasses against liquid splash CE Cat 2 EN 166:2001, EN 172:1994/A1:2000, EN172:1994/A2:2001, EN 165:2005. Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

Work clothing CE Cat 1 EN 340:2003. For professional use only.

F.- Additional emergency measures

Anti-slip work shoes CE Cat 2 EN ISO 20347:2004/A1:2007, EN ISO 20344:2011
Emergency shower ANSI Z358-1, ISO 3864-1:2002. Eyewash station 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.D

Environmental exposure controls:

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:

Liquid

Appearance:

Characteristic

Colour:

Yellowish

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:

1020 - 1040 kg/m³ (ISO 649-2)

Relative density at 20 °C:

1.02 - 1.04

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 at 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 *
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 excessive temperatures or pressure are not expected.
10.4 Conditions to avoid:	Applicable for handling and storage at room temperature: Shock and friction n/a Contact with air n/a Increase in temperature n/a Sunlight n/a Humidity n/a
10.5 Incompatible materials:	Acids n/a Water n/a Combustive materials Caution Combustible materials n/a Others n/a
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 (CO ₂), carbon monoxide and other organic compounds.

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:	No experimental information is available on the product itself in relation to the toxicological properties. 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:
A.- 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.
B- Inhalation:	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.

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- 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.
- C- Contact with the skin and the eyes: Produces skin inflammation.
Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
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.
- E- Sensitizing effects: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.
- F- 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.
- G- 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.
- H- 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:** Study conducted in February 2013 by Harlan Laboratories, study number 41300559. Product does not meet the classification criteria as Eye Damage Category 1.
Product classified as Eye Irritant Category 2 based on results.

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-aminoethanol	LD50 Oral	1515 mg/kg	rat
	D50 Dermal	2504 mg/kg	rabbit
	LC50 Inhalation	11 mg/l (4hr)	rat
Benzenesulfonic acid, mono-C10-16-alkyl derivs	LD50 Oral	2001 mg/kg	n/a
	LD50 Dermal	>2000 mg/kg	n/a
	LC50 Inhalation	n/a	n/a
Alcohols, C12-15, ethoxylated (C12-15 PARETH-7)	LD50 Oral	500mg/kg (ATEi)	n/a
	LD50 Dermal	>2000 mg/kg	n/a
	LC50 Inhalation	n/a	n/a
(1-hydroxyethylidene) bisphosphonic acid, compound with 2-aminoethanol (1:1)	LD50 Oral	>2000 mg/kg	rat
	LD50 Dermal	>2000 mg/kg	n/a
	LC50 Inhalation	n/a	n/a

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
2-aminoethanol	LC50	349 mg/l (96hr)	Cyprinus carpio	Fish
	EC50	65 mg/l (48hr)	Daphnia magna	Crustacean
	EC50	22 mg/l (72 hr)	Scenedesmus subspicatus	alga
Dipropylene Glycol Methyl Ether	LC50	10000 mg/l (96hr)	Pimiphales promelas	Fish
	EC50	1919 mg/l (48hr)	Daphnia magna	Crustacean
	EC50	n/a		

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
2-aminoethanol	BOD5	n/a	Concentration	20mg/l
	COD	n/a	Period	21 days
	BOD5/COD	n/a	% Biodegradables	90%
Dipropylene Glycol Methyl Ether	BOD5	n/a	Concentration	n/a
	COD	0.00202 Oz/g	Period	28 days
	BOD5/COD	n/a	% Biodegradables	73%

12.3 Bioaccumulative potential:

Identification	Bioaccumulative potential	
2-aminoethanol	BCF	3
	Pow Log	-1.31
	Potential	Low

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Dipropylene Glycol Methyl Ether	BCF Pow Log Potential	1 -0.06 Low
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12.4 Mobility in soil:

Identification	Adsorption/desorption		Volatility	
2-aminoethanol	Koc	0.27	Henry	3.7E-5 Pa·m ³ /mol
	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 CONSIDERATIONS

13.1 Waste treatment methods:

Code 20 01 29* Detergents containing dangerous substances
Waste class (Directive 2008/98/EC) – dangerous
Type of waste (Regulation (EU) No 1357/2014): HP4 Irritant — skin irritation and eye damage

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, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) 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 2015, IMDG 37-14, IATA/ICAO 2015)

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

Regulation (EC) n°648/2004 on detergents:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

In accordance with this regulation the product complies with the following:

Component	Concentration range
Non-ionic surfactants	% (w/w) < 5
Phosphonates	5 <= % (w/w) < 15
Anionic surfactants	5 <= % (w/w) < 15

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 handling, use, storage and disposal of this product.

Other legislation:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885

Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

COSHH-SR24 Storing chemical products (small scale).

COSHH-SR2 Diluting chemical concentrates.

COSHH-SR4 Manual cleaning and disinfecting surfaces.

Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents

Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation).

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)

Modifications related to the previous safety data sheet:

COMPOSITION/INFORMATION ON INGREDIENTS:

· Added Content

(1-hydroxyethylidene)bisphosphonic acid, compound with 2-aminoethanol (1:1)
(85443-51-2)

Benzenesulfonic acid, mono-C10-16-alkyl derivs., compds. with ethanolamine
(68910-32-7)

· Removed Content

Benzenesulfonic acid, mono-C10-14-alkyl derivs (85117-49-3)

Etidronic acid (2809-21-4)

CLP Regulation (EC) n° 1272/2008: · Precautionary statements

Text of H-phrases considered in section 3:

H315: Causes skin irritation

H319: Causes serious eye irritation

Text of H-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 Damage 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: H319 Causes skin irritation

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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:	-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 -CL50: Lethal Concentration 50 -EC50: Effective concentration 50 -Log-POW: Octanol–water partition coefficient -Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy.

This information cannot be considered a guarantee of the properties of the product, it is simply a description of the safety requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.