

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

1.1 Product identifier:

320700201 Vitis ATF UNI III-G

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

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:

Dyade Lubricants B.V. Typograaf 16 6921 VB Duiven - The Netherlands Phone.: 0031316745745 info@dyade-lubricants.com http://www.dyade-lubricants.com

1.4 Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

May cause an allergic skin reaction

Precautionary statements:

If medical advice is needed, have product container or label at hand Wear protective gloves/protective clothing/eye protection/face protection IF ON SKIN: Gently wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Dispose of the contents/containers in accordance with the current legislation on waste treatment **Substances that contribute to the classification**

Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture based on hydrocarbons and additives

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration	
CAS: 72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, < 3 % DMSO ⁽¹⁾ ATP CLP00		
EC: 276-737-9 Index: 649-482-00-X REACH: 01-2119474878-16- XXXX	Regulation 1272/2008 Asp. Tox. 1: H304 - Danger	10 - <75 %	
CAS: 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic, < 3 % IP 346 ⁽¹⁾ Self-classified		
EC: 265-158-7 Index: 649-468-00-3 REACH: 01-2119487077-29- XXXX	Regulation 1272/2008 Asp. Tox. 1: H304 - Danger	2.49 - <10 %	
CAS: 36878-20-3	Bis(nonylphenyl)amine ⁽¹⁾ Self-classified		
EC: 253-249-4 Index: Non-applicable REACH: 01-2119488911-28- XXXX	Regulation 1272/2008 Aquatic Chronic 4: H413	1 - <2.49 %	
CAS: Non-applicable EC: 417-450-2	Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)- ATP CLP00 alkyl phosphonates ⁽¹⁾		
ndex: 650-042-00-4 REACH: 01-0000016426-70- XXXX	Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	1 - <2.49 %	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 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 hazardous 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:

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 eye contact:

Rinse eyes thoroughly with lukewarm 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, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. 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

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:



SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, 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 full jet 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 self-contained breathing apparatus (SCBA). 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. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 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:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- 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.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling 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

Maximum time: 60 Months



SECTION 7: HANDLING AND STORAGE (continued)

B.- 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):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short e	xposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
Bis(nonylphenyl)amine	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36878-20-3	Dermal	Non-applicable	Non-applicable	0,62 mg/kg	Non-applicable
EC: 253-249-4	Inhalation	Non-applicable	Non-applicable	4,37 mg/m³	Non-applicable

DNEL (General population):

		Short e	xposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
Bis(nonylphenyl)amine	Oral	Non-applicable	Non-applicable	0,31 mg/kg	Non-applicable
CAS: 36878-20-3	Dermal	Non-applicable	Non-applicable	0,31 mg/kg	Non-applicable
EC: 253-249-4	Inhalation	Non-applicable	Non-applicable	1,09 mg/m³	Non-applicable

PNEC:

Identification				
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, < 3 % DMSO	STP	Non-applicable	Fresh water	Non-applicable
CAS: 72623-86-0	Soil	Non-applicable	Marine water	Non-applicable
EC: 276-737-9	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	9,33 g/kg	Sediment (Marine water)	Non-applicable
Distillates (petroleum), hydrotreated light paraffinic, < 3 % IP 346	STP	Non-applicable	Fresh water	Non-applicable
CAS: 64742-55-8	Soil	Non-applicable	Marine water	Non-applicable
EC: 265-158-7	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	9,33 g/kg	Sediment (Marine water)	Non-applicable
Bis(nonylphenyl)amine	STP	1 mg/L	Fresh water	0,1 mg/L
CAS: 36878-20-3	Soil	263000 mg/kg	Marine water	0,01 mg/L
EC: 253-249-4	Intermittent	1 mg/L	Sediment (Fresh water)	132000 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	13200 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 Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective 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



Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

320700201 Vitis ATF UNI III-G

	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory respiratory tract protection	Filter mask for gases and vapours	CAT III	EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.
C	Specific protectio	on for the hands			
	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. F prolonged periods of exposure to the product fo professional users/industrials, we recommend usi CE III gloves in line with standards EN 420:2003 A1:2009 and EN ISO 374-1:2016
	"As the product is	s a mixture of several su	bstances, the re	sistance of the glove mat	erial can not be predicted in advance with
_		d has therefore to be ch	ecked prior to the	e application"	
D	Ocular and facial	protection			
	Pictogram	PPE	Labelling	CEN Standard	Remarks
	Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according the manufacturer's instructions. Use if there is a risk of splashing.
E	Body protection				1
	Pictogram	PPE	Labelling	CEN Standard	Remarks
		Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product fo professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 6529:2013, EN ISO 6530:2005, EN IS 13688:2013, EN 464:1994.
		Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 20345:2012 y EN 13832-1:2007
F	Additional emerg	ency measures			
	Emergency me	asure	Standards	Emergency meas	ure Standards
	Emergency sh	ISO 3864-1:2	NSI Z358-1 011, ISO 3864-4:20	11 Eyewash station	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 IS
Env	vironmental expos	sure controls:		•	· · ·
	•		for the protectic	on of the environment it is	recommended to avoid environmental
111 0					

V.O.C. (Supply):	0 % weight
V.O.C. density at 15 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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



).1	Information on basic physical and chemical prope	erties:			
	For complete information see the product datashe	eet.			
	Appearance:				
	Physical state at 20 °C:	Liquid			
	Appearance:	Oily			
	Colour:	Red			
	Odour:	Characteristic			
	Odour threshold:	Non-applicable *			
	Volatility:				
	Boiling point at atmospheric pressure:	Non-applicable *			
	Vapour pressure at 15 °C:	5,432E-1 Pa			
	Vapour pressure at 50 °C:	Non-applicable *			
	Evaporation rate at 15 °C:	Non-applicable *			
	Product description:				
	Density at 15 °C:	864 kg/m³			
	Relative density at 15 °C:	Non-applicable *			
	Dynamic viscosity at 15 °C:	Non-applicable *			
	Kinematic viscosity at 15 °C:	Non-applicable *			
	Kinematic viscosity at 40 °C:	36 cSt			
	Concentration:	Non-applicable *			
	pH:	Non-applicable *			
	Vapour density at 15 °C:	Non-applicable *			
	Partition coefficient n-octanol/water 15 °C:	Non-applicable *			
	Solubility in water at 15 °C:	Non-applicable *			
	Solubility properties:	Slightly soluble in cold water			
	Decomposition temperature:	Non-applicable *			
	Melting point/freezing point:	Non-applicable *			
	Explosive properties:	Non-applicable *			
	Oxidising properties:	Non-applicable *			
	Flammability:				
	Flash Point:	>200 °C (ASTM D-92)			
	Flammability (solid, gas):	Non-applicable *			
	Autoignition temperature:	Non-applicable *			
	Lower flammability limit:	Non-applicable *			
	Upper flammability limit:	Non-applicable *			
	Explosive:				
	Lower explosive limit:	Non-applicable *			
	Upper explosive limit:	Non-applicable *			
.2	Other information:				
	Surface tension at 15 °C:	Non-applicable *			
	Refraction index:	Non-applicable *			

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:



SECTION 10: STABILITY AND REACTIVITY (continued)

No hazardous reactions are expected because the product is stable under recommended storage conditions. 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 temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids Water	Oxidising materials	Combustible materials	Others
Avoid strong acids Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

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 and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Dangerous health implications:

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

- A- Ingestion (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. 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.
- B- Inhalation (acute effect):
 - 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, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: 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.
- D- 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.
 - IARC: Non-applicable
 - 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.
- E- Sensitizing effects:



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single 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:
 - 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.
- H- Aspiration hazard:

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.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Distillates (petroleum), hydrotreated light paraffinic, < 3 % IP 346	LD50 oral	5100 mg/kg	Rat
CAS: 64742-55-8	LD50 dermal	5100 mg/kg	Rabbit
EC: 265-158-7	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Identification	Acute toxicity		Species	Genus
Distillates (petroleum), hydrotreated light paraffinic, < 3 % IP 346	LC50	5000 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 64742-55-8	EC50	1000 mg/L (48 h)	Daphnia magna	Crustacean
EC: 265-158-7	EC50	1000 mg/L (96 h)	Scenedesmus subspicatus	Algae
Reaction product of: polyethylene-polyamine-(C16-C18)- alkylamides with monothio-(C2)-alkyl phosphonates	LC50	Non-applicable		
CAS: Non-applicable	EC50	56.7 mg/L (48 h)	Daphnia magna	Crustacean
EC: 417-450-2	EC50	22 mg/L (72 h)	Selenastrum capricornutum	Algae

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Identification	Bioacci	umulation potential
Distillates (petroleum), hydrotreated light paraffinic, < 3 % IP 346	BCF	
CAS: 64742-55-8	Pow Log	3.9
EC: 265-158-7	Potential	
Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	BCF	
CAS: Non-applicable	Pow Log	6.5
EC: 417-450-2	Potential	
Mobility in soil:		

Not available

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:



SECTION 12: ECOLOGICAL INFORMATION (continued)

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

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

Non-applicable

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 (2014/955/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) No 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

SECTION 14: TRANSPORT INFORMATION

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

SECTION 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) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable Seveso III:

Non-applicable

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

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 a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, 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.

SECTION 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) No 1907/2006 (Regulation (EC) No 2015/830)
Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:
Non-applicable
Texts of the legislative phrases mentioned in section 2:
H317: May cause an allergic skin reaction
Texts of the legislative phrases mentioned 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) No 1272/2008:
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Eye Irrit. 2: H319 - Causes serious eye irritation
Skin Irrit. 2: H315 - Causes skin irritation
Skin Sens. 1: H317 - May cause an allergic skin reaction
Classification procedure:
Skin Sens. 1: Calculation method
Advice related to training:
Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their
comprehension and interpretation of this safety data sheet, as well as the label on the product.
Principal bibliographical sources:
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

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 security 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.