

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

1.1 Product identifier:

320201101 Buxus CH-4SJ SAE 15W40

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:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

Non-applicable

Supplementary information:

Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction Safety data sheet available on request

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:

	Identification		Chemical name/Classification		Concentration
EC:	64742-65-0 265-169-7	Distillates (petroleum), 20.5 cSt 40°C) ⁽¹⁾	solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, <	Self-classified	
REACH:	649-474-00-6 01-2119471299-27- XXXX	Regulation 1272/2008	Asp. Tox. 1: H304 - Danger		2.49 - <10 %
CAS:	84605-29-8	Phosphorodithioic acid,	mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ⁽¹⁾	Self-classified	
EC: Index:	283-392-8 Non-applicable 01-2119493626-26- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger		1 - <2.49 %

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

- CONTINUED ON NEXT PAGE -



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

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:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for 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:

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:



SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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)

Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Maximum time: 60 Months

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):

7.2

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 exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 84605-29-8	Dermal	Non-applicable	Non-applicable	12,1 mg/kg	Non-applicable
EC: 283-392-8	Inhalation	Non-applicable	Non-applicable	8,31 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

		Short e	xposure	Long e	xposure
Identification		Systemic	Local	Systemic	Local
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	Oral	Non-applicable	Non-applicable	0,24 mg/kg	Non-applicable
CAS: 84605-29-8	Dermal	Non-applicable	Non-applicable	6,1 mg/kg	Non-applicable
EC: 283-392-8	Inhalation	Non-applicable	Non-applicable	2,11 mg/m³	Non-applicable

PNEC:

Identification				
Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C)	STP	Non-applicable	Fresh water	Non-applicable
CAS: 64742-65-0	Soil	Non-applicable	Marine water	Non-applicable
EC: 265-169-7	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	9,33 g/kg	Sediment (Marine water)	Non-applicable
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	STP	100 mg/L	Fresh water	0,004 mg/L
CAS: 84605-29-8	Soil	0,0548 mg/kg	Marine water	0,0046 mg/L
EC: 283-392-8	Intermittent	0,045 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	10,67 g/kg	Sediment (Marine water)	Non-applicable

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

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

C.- Specific protection 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. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2003+ A1:2009 and EN ISO 374-1:2016

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the 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 to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		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 regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.



Pictogram	F	PPE	Labelling	CEN S	Standard		Remarks
	Anti-slip	work shoes		EN ISO 2	20347:2012	perio recom	ce before any evidence of deterioration. ds of prolonged exposure to the product professional/industrial users CE III is mended, in accordance with the regulati EN ISO 20345:2012 y EN 13832-1:2007
F Additional emer	rgency measu	ures					
Emergency m	neasure	S	itandards	Er	mergency meas	sure	Standards
Emergency s	shower		ISI Z358-1 011, ISO 3864-4:2		Eyewash station	ns	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
Environmental expo	osure controls	s:					
Volatile organic cor With regard to Direct V.O.C. (Supply) V.O.C. density a Average carbon Average molect	ctive 2010/75): at 20 °C: n number:	0 % / 0 kg/ Non-	weight /m³ (0 g/L) -applicable	lowing chara	cteristics:		
TION 9: PHYSICA Information on basi For complete inform	AL AND CH ic physical an	IEMICAL Pl d chemical pl	roperties:	\$			
Information on basi	AL AND CH ic physical an	IEMICAL Pl d chemical pl	ROPERTIES	3			
Information on basi	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES				
Information on basi For complete inform Appearance:	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES roperties: asheet.	uid			
Information on basi For complete inform Appearance: Physical state at 20	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES roperties: asheet. Liqu	uid			
Information on basi For complete inform Appearance: Physical state at 20 Appearance:	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES roperties: asheet. Liqu Oily	uid			
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold:	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES roperties: asheet. Liqu Oily Cha	uid , Amber			
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour:	AL AND CH ic physical an nation see the	IEMICAL Pl d chemical pl	ROPERTIES roperties: asheet. Liqu Oily Cha	uid , Amber aracteristic			
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour: Odour threshold: Volatility: Boiling point at atm	AL AND CH ic physical an nation see the 0 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor	uid Amber aracteristic n-applicable *			
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at	AL AND CH ic physical an nation see the 0 °C: nospheric pres	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet.	uid Amber aracteristic n-applicable * n-applicable *			
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at	AL AND CH ic physical an mation see the 0 °C: 0 °C: 1 20 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Sor Sor	uid Amber aracteristic n-applicable * n-applicable * n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at	AL AND CH ic physical an mation see the 0 °C: 0 °C: 1 20 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Sor Sor	uid Amber aracteristic n-applicable * n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at	AL AND CH ic physical an nation see the 0 °C: 1 0 °C: 1 20 °C: 1 50 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Sor Sor	uid Amber aracteristic n-applicable * n-applicable * n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at	AL AND CH ic physical an nation see the 0 °C: 1 0 °C: 1 20 °C: 1 50 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor <30 Nor	uid Amber aracteristic n-applicable * n-applicable * n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description	AL AND CH ic physical an mation see the 0 °C: 1 20 °C: 1 50 °C: 1 50 °C: 1 20 °C: 1 50 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Nor Nor Nor 890	uid Amber aracteristic n-applicable * n-applicable * 0000 Pa (30 n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description Density at 20 °C:	AL AND CH ic physical an nation see the 0 °C: 20 °C: t 50 °C: t 50 °C: t 20 °C: t 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor <30 Nor 890 Nor	uid Amber aracteristic n-applicable * n-applicable * 0000 Pa (30 n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description Density at 20 °C: Relative density at 2 Dynamic viscosity at	AL AND CH ic physical an mation see the 0 °C: 1 20 °C: 1 50 °C: 2 0 °C: 2 0 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Nor 890 Nor Nor Nor	uid Amber aracteristic n-applicable * n-applicable * 10000 Pa (30 n-applicable * kg/m³ n-applicable *	0 kPa)		
Information on basi For complete inform Appearance: Physical state at 20 Appearance: Colour: Odour: Odour threshold: Volatility: Boiling point at atm Vapour pressure at Vapour pressure at Evaporation rate at Product description Density at 20 °C: Relative density at 20	AL AND CH ic physical an mation see the 0 °C: 1 20 °C: 1 50 °C: 2 0 °C: 2 0 °C: 1 20 °C:	IEMICAL P d chemical pr e product data	ROPERTIES roperties: asheet. Liqu Oily Cha Nor Nor Nor 890 Nor Nor Nor	uid Amber aracteristic n-applicable * n-applicable * 00000 Pa (30 n-applicable * kg/m ³ n-applicable * n-applicable *	0 kPa)		

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

Non-applicable *

Non-applicable *

Non-applicable *

Partition coefficient n-octanol/water 20 °C:

Vapour density at 20 °C:

pH:



SEC	TION 9: PHYSICAL AND CHEMICAL PROPER	RTIES (continued)
	Solubility in water at 20 °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:	>220 °C
	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 *
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 inform	nation property of its hazards.

SEC	TION 10: STABILITY AN	ND REACTIVITY							
10.1	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 re	actions:							
	Under the specified condition	ons, hazardous reactions	that lead to excessive terr	peratures or pressure an	e not expected.				
10.4	Conditions to avoid:								
	Applicable for handling and	d storage at room tempera	ture:						
	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	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:



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- 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:
 - 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: 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.
- 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	Acı	te toxicity	Genus
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts	LD50 oral	3100 mg/kg	Rat
CAS: 84605-29-8	LD50 dermal	Non-applicable	
EC: 283-392-8	LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

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



SECTION 12: ECOLOGICAL INFORMATION (continued) 12.1 Toxicity: Identification Acute toxicity Species Genus Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-LC50 1 - 10 mg/L (96 h) Fish Pr) esters, zinc salts CAS: 84605-29-8 EC50 1 - 10 mg/L Crustacean EC: 283-392-8 EC50 1 - 10 mg/L Algae 12.2 Persistence and degradability: Not available 12.3 Bioaccumulative potential: Not available 12.4 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:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
13 08 99*	wastes not otherwise specified	Dangerous

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

HP10 Toxic for reproduction

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

I	15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture:
I		Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
I		Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
I		Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
I		Article 95, REGULATION (EU) No 528/2012: Non-applicable
I		REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable
I		Seveso III:
L		

- CONTINUED ON NEXT PAGE -



SECTION 15: REGULATORY INFORMATION (continued)

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 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 2: H411 - Toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Eye Dam. 1: H318 - Causes serious eye damage

Skin Irrit. 2: H315 - Causes skin irritation

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

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product

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.