FCP

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C4 313 - KALIJEV SORBAT, FOOD GRADE

Date of	compilation: 18/08/202	22 Revised: 09/07/2025	Version: 2 (Replaced 1)
SECT	TON 1: IDENTIFIC	ATION OF THE SUBSTANCE/	MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:	C4 313 - KALIJEV SORBAT, FOO Potassium (E,E)-hexa-2,4-dienoa	
	CAS:	24634-61-5	
	EC:	246-376-1	
	Index:	Not relevant	
	REACH:	01-2119950315-41-XXXX	
	Other means of ide	entification:	
	Not relevant		
1.2	Relevant identified	l uses of the substance or mix	ture and uses advised against:
	Relevant uses (Indus	ssional users): intermediate trial user): intermediate : All uses not specified in this sect	ion or in section 7.3
1.3	Details of the supp	lier of the safety data sheet:	
	ECP d.o.o. Brnčičeva 45 1231 Ljubljana - Slov Phone: +386 1 562 (office@ecp.eu www.ecp.si		
1.4	Emergency teleph	one number: 112	

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.

Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

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

Precautionary statements:

P264: Wash hands thoroughly after handling P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards:

Product does not meet PBT/vPvB criteria Endocrine-disrupting properties: The product does not meet the criteria.

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Chemical description: Organic substance

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



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

	Identification		Chemical name/Classification 0					
CAS:		Potassium (E,E)-hex	a-2,4-dienoate AT	P ATP07				
Index:	246-376-1 Not relevant 01-2119950315-41- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	95 - <100				

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

3.2 Mixture:

Not relevant

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:

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

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:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

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:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable 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.

Unsuitable extinguishing media:

Non-applicable

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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) Additional provisions:



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SECTION 5: FIREFIGHTING MEASURES (continued)

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:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations on general occupational hygiene

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.- Specific storage requirements

Store in a cool, dry, well-ventilated location

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 (European OEL, not country-specific legislation):

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

DNEL (Workers):



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short e	VDOGURA		vocure
		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Potassium (E,E)-hexa-2,4-dienoate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 24634-61-5	Dermal	Not relevant	Not relevant	40 mg/kg	Not relevant
EC: 246-376-1	Inhalation	Not relevant	Not relevant	17,63 mg/m ³	Not relevant

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Potassium (E,E)-hexa-2,4-dienoate	Oral	Not relevant	Not relevant	2 mg/kg	Not relevant
CAS: 24634-61-5	Dermal	Not relevant	Not relevant	20 mg/kg	Not relevant
EC: 246-376-1	Inhalation	Not relevant	Not relevant	52,17 mg/m ³	26,08 mg/m ³

PNEC:

Identification				
Potassium (E,E)-hexa-2,4-dienoate	STP	10 mg/L	Fresh water	1 mg/L
CAS: 24634-61-5	Soil	1,67 mg/kg	Marine water	0,1 mg/L
EC: 246-376-1	Intermittent	4,8 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,36 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. 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

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

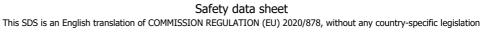
Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 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. Fo 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 ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CAT II	EN ISO 20347:2022	Replace before any evidence of deterioration. Fo periods of prolonged exposure to the product fo professional/industrial users CE III is recommended, in accordance with the regulation in EN ISO 20345:2022 y EN 13832-1:2019





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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	◎ + ⊤	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
Emergency shower		Eyewash stations	

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Appearance.	
Physical state at 20 °C:	Solid
Appearance:	Not relevant *
Colour:	Not relevant *
Odour:	Not relevant *
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	Not relevant *
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	1360 kg/m ³
Relative density at 20 °C:	1,36
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	270 °C
Flammability:	
Flash Point:	Not relevant *
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
*Not relevant due to the nature of the product, not providing	j information property of its hazards.

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SECT	TION 9: PHYSICAL AND CHE	MICAL PROPERTIES	6 (continued)	
	Upper flammability limit:		Not relevant *	
	Explosive (Solid):			
	Lower explosive limit:		Not relevant *	
	Upper explosive limit:		Not relevant *	
	Particle characteristics:			
	Median equivalent diameter:		Not relevant *	
9.2	Other information:			
	Information with regard to	physical hazard clas	ses:	
	Explosive properties:		Not relevant *	
	Oxidising properties:		Not relevant *	
	Corrosive to metals:		Not relevant *	
	Heat of combustion:		Not relevant *	
	Aerosols-total percentage (by n components:	nass) of flammable	Not relevant *	
	Other safety characteristics	:		
	Surface tension at 20 °C:		Not relevant *	
	Refraction index:		Not relevant *	
	*Not relevant due to the nature of the	product, not providing infor	mation property of its hazards.	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated 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 hazard classes as defined in Regulation (EC) No 1272/2008:

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):

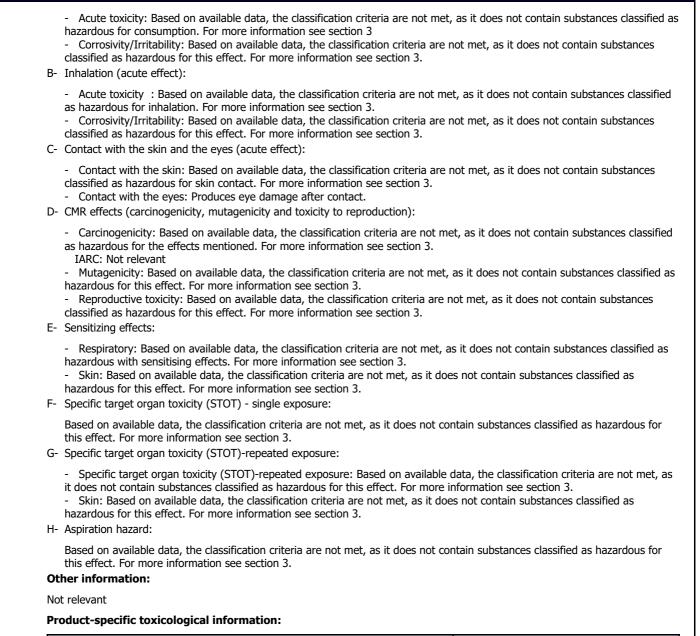


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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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	Acute toxicity	Genus
LD50 oral	4340 mg/kg	Rat
LD50 dermal	7940 mg/kg	Rat

Specific toxicology information on the substances:

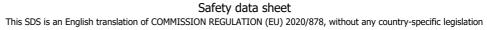
Identification	Acute toxic	ity	Genus
Potassium (E,E)-hexa-2,4-dienoate	LD50 oral	4340 mg/kg	Rat
CAS: 24634-61-5	LD50 dermal	7940 mg/kg	Rat
EC: 246-376-1	LC50 inhalation		

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information





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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

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

- 12.1 Toxicity:
 - Not relevant
- 12.2 Persistence and degradability:

Not relevant

- **12.3 Bioaccumulative potential:** Not relevant
- 12.4 Mobility in soil:

Not relevant

- **12.5** Results of PBT and vPvB assessment: Product does not meet PBT/vPvB criteria
- 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 03 05*	organic wastes containing hazardous substances	Hazardous

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). 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-hazardous residue. Waste should not be disposed of to drains. 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

- CONTINUED ON NEXT PAGE -

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

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2025 and RID 2025:

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	FRANSPORT INFORMATION (continued)	
14.1	UN number or ID number:	Not relevant	
	UN proper shipping name:	Not relevant	
	Transport hazard class(es):	Not relevant	
1110	Labels:	Not relevant	
14.4	Packing group:	Not relevant	
	Environmental hazards:	No	
14.6	Special precautions for user		
	Special regulations:	Not relevant	
	Tunnel restriction code:	Not relevant	
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Not relevant	
14.7	Maritime transport in bulk according to IMO instruments:	Not relevant	
Transpo	rt of dangerous goods by sea:		
With reg	ard to IMDG 41-22:		
14.1	UN number or ID number:	Not relevant	
14.2	UN proper shipping name:	Not relevant	
14.3	Transport hazard class(es):	Not relevant	
	Labels:	Not relevant	
14.4	Packing group:	Not relevant	
	Marine pollutant:	No	
14.6	Special precautions for user		
	Special regulations:	Not relevant	
	EmS Codes:		
	Physico-Chemical properties:	see section 9	
	Limited quantities:	Not relevant	
	Segregation group:	Not relevant	
14.7	Maritime transport in bulk according to IMO instruments:	Not relevant	
Transpo	ort of dangerous goods by air:		
-	ard to IATA/ICAO 2025:		
14.1	UN number or ID number:	Not relevant	
	UN proper shipping name:	Not relevant	
	Transport hazard class(es):	Not relevant	
_	Labels:	Not relevant	
14.4	Packing group:	Not relevant	
	Environmental hazards:	No	
14.6	Special precautions for user		
	Physico-Chemical properties:	see section 9	
14.7	Maritime transport in bulk according to IMO instruments:	Not relevant	

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Potassium (E,E)-hexa-2,4-dienoate.



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SECTION 15: REGULATORY INFORMATION (continued)

- Article 95, REGULATION (EU) No 528/2012: Potassium (E,E)-hexa-2,4-dienoate (24634-61-5) PT: (6,8)
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant

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- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

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

Not relevant

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:

The SDS shall be supplied in an official language of the country where the product is placed on the market. 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 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16): • Precautionary statements

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

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:

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

Advice related to training:

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: 5day biochemical oxygen demand BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- LC50: Lethal Concentration 50
- EC50: Effective concentration 50
- LogPOW: Octanolwater partition coefficient
- Koc: Partition coefficient of organic carbon
- UFI: unique formula identifier

IARC: International Agency for Research on Cancer



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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.

- END OF SAFETY DATA SHEET -