

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
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### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

<b>1.1 Product identifier</b> Trade name	:	Iron Dextran / Nicotinamide Formulation
1.2 Relevant identified uses of	the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture		Veterinary product
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	e safe	ety data sheet
Company	:	MSD Kilsheelan Clonmel Tipperary, IE
Telephone	:	353-51-601000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

### **1.4 Emergency telephone number**

+1-908-423-6000

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### Additional Labelling

EUH210 Safety data sheet available on request.

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 2,87 %



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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Iron dextran	9004-66-4	Acute Tox. 4; H302 Acute toxicity esti- mate Acute oral toxicity: 1.000 mg/kg	>= 1 - < 10
nicotinamide	98-92-0 202-713-4	Eye Irrit. 2; H319	>= 1 - < 10

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

Protection of first-aiders	:	No special precautions are necessary for first aid responders.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.



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lf s	If swallowed		Get medical atter	NOT induce vomiting. ntion if symptoms occur. roughly with water.
	<b>st important symptoms a</b> one known.	nd e	ffects, both acut	e and delayed
4.3 Ind	ication of any immediate	med	lical attention an	d special treatment needed
Tr	eatment	:	Treat symptomat	ically and supportively.
SECT	ON 5: Firefighting meas	sur	es	
5.1 Ext	inguishing media			
	uitable extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide ( Dry chemical	
	nsuitable extinguishing edia	:	None known.	
5.2 Sp	ecial hazards arising from	the	substance or m	ixture
Sp	becific hazards during fire- hting	:		bustion products may be a hazard to health.
Ha uc	azardous combustion prod- ts	:	Metal oxides Carbon oxides Nitrogen oxides ( Chlorine compou	
5.3 Ad	vice for firefighters			
Sp	pecial protective equipment r firefighters	:		ned breathing apparatus for firefighting if nec- onal protective equipment.
Sr od	becific extinguishing meth- Is	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. aged containers from fire area if it is safe to do
			Evacuate area.	

## SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Follow safe handling advice (see section 7) and personal pro-
		tective equipment recommendations (see section 8).



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6.2 Enviro	nmental precautions					
Environmental precautions		Prevent further I Prevent spreadin barriers). Retain and dispo Local authorities	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.			
6.3 Method	Is and material for co	ntainment and clean	ing up			
6.3 Methods and material for cont Methods for cleaning up		For large spills, ment to keep ma be pumped, stor Clean up remain bent. Local or nationa posal of this ma employed in the mine which regu Sections 13 and	ert absorbent material. provide dyking or other appropriate contain- aterial from spreading. If dyked material can re recovered material in appropriate container. ning materials from spill with suitable absor- I regulations may apply to releases and dis- terial, as well as those materials and items cleanup of releases. You will need to deter- ulations are applicable. I 5 of this SDS provide information regarding national requirements.			

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.	
Local/Total ventilation Advice on safe handling	<ul><li>Use only with adequate ventilation.</li><li>Handle in accordance with good industrial hygiene and</li></ul>	
	practice, based on the results of the workplace exposes sessment	
	Take care to prevent spills, waste and minimize releated environment.	se to the
Hygiene measures	: If exposure to chemical is likely during typical use, pr flushing systems and safety showers close to the wo place. When using do not eat, drink or smoke. Wash nated clothing before re-use.	rking
	The effective operation of a facility should include revenue of the engineering controls, proper personal protective equinappropriate degowning and decontamination procedure industrial hygiene monitoring, medical surveillance are use of administrative controls.	pment, ures,
2 Conditions for onfo stars	aluding any incompatibilities	

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	:	Keep in properly labelled containers. Store in accordance with
areas and containers		the particular national regulations.



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Advice	on common storage	:	Do not store with Strong oxidizing a Gases	the following product types: agents
-	<b>c end use(s)</b> ic use(s)	:	No data available	

## **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
L-Lysine hydrochlo- ride	Workers	Inhalation	Long-term systemic effects	67,1 mg/m3
	Workers	Skin contact	Long-term systemic effects	381 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	19,9 mg/m3
	Consumers	Skin contact	Long-term systemic effects	229 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	22,9 mg/kg bw/day
nicotinamide	Workers	Inhalation	Long-term systemic effects	43,75 mg/m3
	Workers	Skin contact	Long-term systemic effects	12,5 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	21,88 mg/m3
	Consumers	Skin contact	Long-term systemic effects	12,5 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	12,5 mg/kg bw/day
Choline chloride	Workers	Inhalation	Long-term systemic effects	338,5 mg/m3
	Workers	Skin contact	Long-term systemic effects	120 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	83,48 mg/m3
	Consumers	Skin contact	Long-term systemic effects	60 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	12 mg/kg bw/day
Aluminum hydroxide	Workers	Inhalation	Long-term local ef- fects	10,76 mg/m3

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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		Workers	Inhalation	I	Long-term local ef- fects	10,76 mg/m3
		Consumers	Ingestion		Long-term systemic effects	4,74 mg/kg bw/day
	L-Glutamic acid, sodi- um salt, hydrate	Workers	Inhalatior	I	Long-term systemic effects	10 mg/m3
		Workers	Skin cont	act	Long-term systemic effects	179 mg/kg bw/day
		Consumers	Inhalatior	1	Long-term systemic effects	3 mg/m3
		Consumers	Skin cont	act	Long-term systemic effects	107 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
L-Lysine hydrochloride	Sewage treatment plant	10 mg/l
nicotinamide	Fresh water	1 mg/l
	Marine water	0,1 mg/l
	Intermittent use/release	10 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	1,1085 mg/kg
	Marine sediment	0,1109 mg/kg
	Soil	0,33 mg/kg
Choline chloride	Fresh water	0,604 mg/l
	Marine water	0,0604 mg/l
	Intermittent use/release	5 mg/l
	Sewage treatment plant	112,9 mg/l
Fresh water sediment		0,5 mg/kg
Marine sediment		0,05 mg/kg
	Soil	0,09 mg/kg

### 8.2 Exposure controls

### **Engineering measures**

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections).

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

#### Personal protective equipment

Eye/face protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Hand protection		
Material	:	Chemical-resistant gloves



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	emarks and body protection	Additional boo being perform suits) to avoic Use appropria	or laboratory coat. dy garments should be used based upon the task led (e.g., sleevelets, apron, gauntlets, disposable l exposed skin surfaces. ate degowning techniques to remove potentially		
Respiratory protection Filter type		<ul> <li>contaminated clothing.</li> <li>If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.</li> <li>Equipment should conform to NS EN 14387</li> <li>Combined particulates and organic vapour type (A-P)</li> </ul>			

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

:	suspension
:	dark brown
:	characteristic
:	No data available
:	-1,0 °C
:	98,5 °C
:	Not applicable
:	No data available

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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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	Solubility(ies) Water solubility		:	No data availabl	e			
	Partition coefficient: n- octanol/water		: Not applicable					
	Vapou	r pressure	:	No data availabl	e			
	Relative density		:	No data availabl	e			
	Density		:	No data availabl	e			
	Relative vapour density		:	0,9950 - 1,1500				
		e characteristics ticle size	:	Not applicable				
9.2		nformation						
	Explos	sives	:	Not explosive				
	Oxidizi	ing properties	:	The substance c	or mixture is not classified as oxidizing.			
	Evapo	ration rate	:	No data availabl	e			
	Molecu	ular weight	:	No data availabl	e			

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

Not classified as a reactivity hazard.

## 10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions					
Hazardous reactions	:	Can react with strong oxidizing agents.			

## 10.4 Conditions to avoid

Conditions to avoid : None known.

## 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

## 10.6 Hazardous decomposition products

No hazardous decomposition products are known.



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## **SECTION 11: Toxicological information**

11.1	Information on hazard class Information on likely routes of exposure		as defined in Regulation (EC) No 1272/2008 Inhalation Skin contact Ingestion Eye contact
	Acute toxicity		
	Not classified based on availa	ble	information.
	Product:		
	Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
	Components:		
	Iron dextran:		
	Acute oral toxicity	:	LD50 (Mouse): 1.000 mg/kg
	nicotinamide:		
	Acute oral toxicity	:	LD50 (Rat): > 2.500 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral tox- icity
	Acute inhalation toxicity	:	LC50 (Rat): > 3,8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 436 Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Based on data from similar materials
	Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity
	Skin corrosion/irritation		
	Not classified based on availa	ble	information.
	Components:		
	nicotinamide:		
	Species	:	Rabbit



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## Serious eye damage/eye irritation

Not classified based on available information.

## Components:

## nicotinamide:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irritation to eyes, reversing within 7 days

#### Respiratory or skin sensitisation

### Skin sensitisation

Not classified based on available information.

### Respiratory sensitisation

Not classified based on available information.

### Components:

#### nicotinamide:

: Maximisation Test
: Skin contact
: Guinea pig
: OECD Test Guideline 406
: negative

### Germ cell mutagenicity

Not classified based on available information.

#### Components:

### nicotinamide:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: negative

### Carcinogenicity

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

#### **Components:**

#### nicotinamide:

Commission Regulation (EU) 2020/878



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Effects on foetal develop- ment		: Test Type: Embryo-foetal development Species: Rabbit Application Route: Ingestion Method: OECD Test Guideline 414 Result: negative				
	T - single exposure					
Not classified based on availa		able information.				
STO						
Not classified based on available information.						
Repeated dose toxicity						
Components:						
nicot	tinamide:	nicotinamide:				

Species NOAEL Application Route Exposure time Method	: Rat : 215 mg/kg : Ingestion : 28 Days : OECD Test Guideline 407
Method	: OECD Test Guideline 407

### Aspiration toxicity

Not classified based on available information.

### 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **SECTION 12: Ecological information**

12.1 Toxicity		
Components:		
Iron dextran:		
Ecotoxicology Assessment Acute aquatic toxicity	:	Toxic effects cannot be excluded
Chronic aquatic toxicity	:	Toxic effects cannot be excluded
nicotinamide:		



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-	Toxicity	/ to fish	:	Exposure time: 9	ticulata (guppy)): > 1.000 mg/l 6 h est Guideline 203
		/ to daphnia and other invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1.000 mg/l Exposure time: 24 h Method: OECD Test Guideline 202	
	Toxicity plants	/ to algae/aquatic	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201	
				Exposure time: 72	esmus subspicatus (green algae)): 560 mg/l 2 h est Guideline 201
-	Toxicity	/ to microorganisms	:	: NOEC (Pseudomonas putida): 4.235 mg/l Exposure time: 18 h Method: OECD Test Guideline 209	
12.2 Persistence and degradability			lity		
Components:					
		a <b>mide:</b> radability	:	Biodegradation: Exposure time: 28	95 %
12.3	Bioaco	cumulative potential			
<u>(</u>	Compo	onents:			
I		a <b>mide:</b> n coefficient: n- /water	: log Pow: -0,38		
		t <b>y in soil</b> a available			
12.5 Results of PBT and vPvB asse			sse	ssment	
-	<b>Produc</b> Assess		:	to be either persis	nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of



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### **12.6 Endocrine disrupting properties**

### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

### **SECTION 13: Disposal considerations**

13.1 Waste treatment methods	
Product	<ul> <li>Dispose of in accordance with local regulations.</li> <li>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.</li> <li>Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.</li> <li>Do not dispose of waste into sewer.</li> </ul>
Contaminated packaging	<ul> <li>Empty containers should be taken to an approved waste han- dling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused product.</li> </ul>

### **SECTION 14: Transport information**

### 14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good



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RID		: N	ot regulated as	a dangerous good			
IMDO	G	: N	ot regulated as	a dangerous good			
ΙΑΤΑ	A	: N	Not regulated as a dangerous good				
14.4 Pacl	king group						
ADN	l	: N	ot regulated as	a dangerous good			
ADR	ł	: N	ot regulated as	a dangerous good			
RID		: Not regulated as a dangerous good		a dangerous good			
IMDO	IMDG : Not regu		ot regulated as	gulated as a dangerous good			
ΙΑΤΑ	A (Cargo)	: N	ot regulated as	a dangerous good			
ΙΑΤΑ	A (Passenger)	: N	ot regulated as	a dangerous good			
	ironmental hazards regulated as a dangero	ous good					
-	<b>cial precautions for u</b> applicable	ser					
14.7 Mari	itime transport in bul	k accord	ing to IMO inst	ruments			
Rem	arks	: N	ot applicable for	product as supplied.			

## **SECTION 15: Regulatory information**

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

14 / 16		
Regulation (EU) 2019/1021 on persistent organic pollu-	:	Not applicable
layer	•	Not applicable
(Annex XIV) Regulation (EC) on substances that deplete the ozone		Not applicable
Concern for Authorisation (Article 59). REACH - List of substances subject to authorisation	:	Not applicable
REACH - Candidate List of Substances of Very High	:	Not applicable
		Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the condi- tions in corresponding Regulation to determine whether an entry is appli- cable to the placing on the market or not.
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.



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	(recast) lation (EU) No 649/20	)12 of the European Pa	arlia- : Not applicable
	and the Council conc ngerous chemicals	erning the export and i	mport
		18/EU of the European olving dangerous subs Not applicable	Parliament and of the Council on the control of stances.
The o		product are reported i	in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

Other information Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

#### Full text of H-Statements

H302	:	Harmful if swallowed.
H319	:	Causes serious eye irritation.

#### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Eye Irrit.	:	Eye irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-



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fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to : compile the Safety Data Sheet

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

NO / EN