

## Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

### TR FAST GRIGIO

Date of first edition: 4/22/2021  
Safety Data Sheet dated 4/22/2021  
version 1

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:  
Trade name: TR FAST GRIGIO  
Trade code: 00108039-1 .013

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Cement Adhesive  
Uses advised against: Data not available.

### 1.3. Details of the supplier of the safety data sheet

Company: KERAKOLL S.p.A.  
Via dell'Artigianato, 9  
41049 Sassuolo (MODENA) - ITALY  
Tel.+39 0536 816511 Fax: +39 0536816581  
safety@kerakoll.com

### 1.4. Emergency telephone number

European emergency phone number 112  
Kerakoll Italy - +39-0536-816511  
Ireland  
Poison information centre: 01 809 2166 (Daily 8am-10pm)  
In case of emergency call 999 or 112  
Malta  
In case of emergency call: +356 2395 2000 (24h)

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

0 The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
Adverse physicochemical, human health and environmental effects:  
No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Precautionary statements

P102 Keep out of reach of children.

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances  
present in concentration  $\geq 0.1\%$ .  
Other Hazards: No other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Mixture identification: TR FAST GRIGIO

#### Hazardous components within the meaning of the CLP regulation and related classification:

None

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

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In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**4.2. Most important symptoms and effects, both acute and delayed**

N.A.

**4.3. Indication of any immediate medical attention and special treatment needed**

N.A.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

**5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

**6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

**7.3. Specific end use(s)**

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

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

**8.1. Control parameters**

**Community Occupational Exposure Limits (OEL)**

Component	OEL Type	Country	Ceiling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Notes
Calcium carbonate	NATIONAL	AUSTRALIA		10.000				This value is for inhalable dust containing no asbestos and <1 % crystalline silica.
	NATIONAL	CANADA		10.000				
	NATIONAL	FRANCE		10.000				inhalable aerosol
	NATIONAL	HUNGARY		10.000				inhalable aerosol
	NATIONAL	IRELAND		10.000				Inhalable fraction
	NATIONAL	IRELAND		4.000				Respirable fraction
	NATIONAL	LATVIA		6.000				
	NATIONAL	NEW ZEALAND		10.000				The value for inhalable dust containing no asbestos and less than 1% free silica.
	NATIONAL	POLAND		10.000				
	NATIONAL	SINGAPORE		10.000				(limestone, marble)
	NATIONAL	SWITZERLAND		3.000				respirable aerosol
	NATIONAL	UNITED STATES OF AMERICA		15.000				total dust
	NATIONAL	UNITED STATES OF AMERICA		5.000				respirable dust
	NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		10.000				inhalable aerosol
	NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		4.000				respirable aerosol
	NATIONAL	ITALY		10.000				
	NATIONAL	BELGIUM		10.000				
	NATIONAL	KOREA, REPUBLIC OF		10.000				
	NATIONAL	CROATIA		10.000				
	NATIONAL	NETHERLANDS		10.000				
NATIONAL	PORTUGAL		10.000					
NATIONAL	SPAIN		10.000					
NATIONAL	CHILE		5.000				respirable fraction	
Quartz	NATIONAL	AUSTRALIA		0.100				Respirable fraction

	NATIONAL AUSTRIA	0.150		Respirable aerosol
	NATIONAL BELGIUM	0.100		
	NATIONAL CANADA	0.100		Canada Ontario; Respirable aerosol
	NATIONAL CANADA	0.100		Canada Quebec
	NATIONAL DENMARK	0.300	0.600	Inhalable aerosol
	NATIONAL DENMARK	0.100	0.200	Respirable aerosol
	NATIONAL FINLAND	0.050		Respirable fraction
	NATIONAL FRANCE	0.100		Respirable aerosol
	NATIONAL HUNGARY	0.150		Respirable aerosol
	NATIONAL IRELAND	0.100		Respirable fraction
	NATIONAL NEW ZEALAND	0.200		Respirable aerosol
	NATIONAL CHINA	1.000		Inhalable fraction. 10% <= free SiO2 <= 50%.
	NATIONAL CHINA	0.700		Inhalable fraction. 50% < free SiO2 <= 80%.
	NATIONAL CHINA	0.500		Inhalable fraction. Free SiO2 < 80%.
	NATIONAL SINGAPORE	0.100		Respirable aerosol.
	NATIONAL SPAIN	0.100		Respirable fraction
	NATIONAL SWEDEN	0.100		Respirable aerosol
	NATIONAL SWITZERLAND	0.150		Respirable aerosol
	NATIONAL NETHERLANDS	0.075		Respirable dust
	NATIONAL ITALY	0.050		Silice cristallina
	NATIONAL ITALY	0.025		A2
	NATIONAL ITALY	10.000		Come particelle non altrimenti specificate PNOC
	NATIONAL KOREA, REPUBLIC OF	0.050		
	NATIONAL UNITED STATES OF AMERICA	0.050		NIOSH
	NATIONAL ARGENTINA	0.050		
	NATIONAL CHILE	0.080		
	NATIONAL CROATIA	0.100		
	NATIONAL ESTONIA	0.100		
	NATIONAL INDIA	10.000		
	NATIONAL LITHUANIA	0.100		
	NATIONAL MALAYSIA	0.100		
	NATIONAL MEXICO	0.025		Respirable fraction
	NATIONAL NORWAY	0.300		Total dust
	NATIONAL NORWAY	0.100		Respirable dust
	NATIONAL PORTUGAL	0.025		Respirable fraction
	NATIONAL SLOVENIA	0.050	0.400	
	NATIONAL SOUTH AFRICA	0.100		
	ACGIH NNN	0.025		(R), A2 - Pulm fibrosis, lung cancer
Calcium sulfate	NATIONAL AUSTRALIA	10.000		This value is for inhalable dust containing no asbestos and <1 % crystalline silica

	NATIONAL AUSTRIA	5.000	10.000	Long term and short term: respirable aerosol
	NATIONAL BELGIUM	10.000		
	NATIONAL CANADA	10.000		Ontario; inhalable aerosol
	NATIONAL CANADA	10.000		Quebec
	NATIONAL CANADA	5.000		Quebec
	NATIONAL GERMANY	6.000		AGS; respirable aerosol
	NATIONAL GERMANY	4.000		DFG; inhalable aerosol
	NATIONAL GERMANY	1.500		DFG; respirable aerosol
	NATIONAL HUNGARY	6.000		Respirable aerosol
	NATIONAL IRELAND	10.000		
	NATIONAL LATVIA	4.000		
	NATIONAL NEW ZEALAND	10.000		The value for inhalable dust containing no asbestos and less than 1% free silica.
	NATIONAL SINGAPORE	10.000		
	NATIONAL KOREA, REPUBLIC OF	10.000		
	NATIONAL SPAIN	10.000		
	NATIONAL SWITZERLAND	3.000		Respirable aerosol
	NATIONAL UNITED STATES OF AMERICA	10.000		NIOSH; total dust
	NATIONAL UNITED STATES OF AMERICA	5.000		NIOSH; respirable aerosol
	NATIONAL UNITED STATES OF AMERICA	15.000		OSHA; total dust
	NATIONAL UNITED STATES OF AMERICA	5.000		OSHA; respirable dust
	NATIONAL ITALY	10.000		
	NATIONAL ARGENTINA	10.000		
	NATIONAL CHILE	8.800		
	NATIONAL FRANCE	10.000		
	NATIONAL GREECE	10.000		
	NATIONAL INDONESIA	10.000		
	NATIONAL IRELAND	10.000		
	NATIONAL MALAYSIA	10.000		
	NATIONAL MEXICO	10.000		
	NATIONAL NETHERLANDS	10.000		
	NATIONAL POLAND	10.000		
	NATIONAL PORTUGAL	10.000		
	NATIONAL SLOVAKIA	4.000		Inhalable fraction
	NATIONAL SLOVAKIA	1.500		Respirable fraction
	NATIONAL SLOVENIA	6.000		
	ACGIH NNN	10		(I) - Nasal symptoms
Sulfuric acid, calcium salt, hydrate (2:2:1)	NATIONAL BELGIUM	10.000		
	NATIONAL SPAIN	10.000		
	ACGIH NNN	10		(I) - Nasal symptoms
Quartz	NATIONAL AUSTRALIA	0.100		Respirable fraction

	NATIONAL AUSTRIA	0.150		respirable aerosol
	NATIONAL BELGIUM	0.100		
	NATIONAL CANADA	0.100		Canada Ontario, Respirable aerosol
	NATIONAL CANADA	0.100		Canada Quebec
	NATIONAL DENMARK	0.300	0.600	Inhalable aerosol
	NATIONAL DENMARK	0.100	0.200	Respirable aerosol
	NATIONAL FINLAND	0.050		Respirable fraction
	NATIONAL FRANCE	0.100		Respirable aerosol
	NATIONAL HUNGARY	0.150		Respirable aerosol
	NATIONAL IRELAND	0.100		Respirable fraction
	NATIONAL NEW ZEALAND	0.200		Respirable aerosol
	NATIONAL CHINA	1.000		Inhalable fraction, 10% <= free SiO2 <= 50%.
	NATIONAL CHINA	0.700		Inhalable fraction, 50% < free SiO2 <= 80%.
	NATIONAL CHINA	0.500		Inhalable fraction, Free SiO2 < 80%.
	NATIONAL SINGAPORE	0.100		Respirable aerosol.
	NATIONAL SPAIN	0.100		Respirable fraction
	NATIONAL SWEDEN	0.100		Respirable aerosol
	NATIONAL SWITZERLAND	0.150		Respirable aerosol
	NATIONAL NETHERLANDS	0.075		Respirable dust
	NATIONAL ITALY	0.050		Silice cristallina
	NATIONAL ITALY	0.025		A2
	NATIONAL UNITED STATES OF AMERICA	0.050		NIOSH
	NATIONAL KOREA, REPUBLIC OF	0.050		
	NATIONAL ARGENTINA	0.050		
	NATIONAL CHILE	0.080		
	NATIONAL CROATIA	0.100		
	NATIONAL ESTONIA	0.100		
	NATIONAL INDIA	10.000		
	NATIONAL LITHUANIA	0.100		
	NATIONAL MALAYSIA	0.100		
	NATIONAL MEXICO	0.025		Respirable fraction
	NATIONAL NORWAY	0.300		Total dust
	NATIONAL NORWAY	0.100		Respirable dust
	NATIONAL PORTUGAL	0.025		
	NATIONAL SLOVENIA	0.050	0.400	
	NATIONAL SOUTH AFRICA	0.100		
	ACGIH NNN	0.025		(R), A2 - Pulm fibrosis, lung cancer
	EU NNN	0.100		(R), A2 - Pulm fibrosis, lung cancer
Limestone	NATIONAL BELGIUM	10.000		
	NATIONAL HUNGARY	10.000		Inhalable aerosol

	NATIONAL CHINA	8.000		Inhalable fraction
	NATIONAL CHINA	4.000		Inhalable aerosol
	NATIONAL KOREA, REPUBLIC OF	10.000		
	NATIONAL JAPAN	2.000		Respirable dust
	NATIONAL JAPAN	8.000		Total dust: Total dust comprises particles with a flow speed of 50 to 80 cm/sec at the entry of a particle sampler
	NATIONAL SPAIN	10.000		Inhalable aerosol
	NATIONAL SWITZERLAND	3.000		Respirable aerosol
	NATIONAL UNITED STATES OF AMERICA	15.000		OSHA: Total dust
	NATIONAL UNITED STATES OF AMERICA	5.000		OSHA: Respirable dust
	NATIONAL UNITED STATES OF AMERICA	10.000		NIOSH: total dust, calcium carbonate
	NATIONAL UNITED STATES OF AMERICA	5.000		NIOSH: Respirable aerosol, calcium carbonate
	NATIONAL UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	10.000		Inhalable aerosol
	NATIONAL UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	4.000		Respirable aerosol
	NATIONAL ITALY	10.000		Come particelle non altrimenti specificate PNOC
	NATIONAL CROATIA	10.000		
	NATIONAL FRANCE	10.000		
	NATIONAL NETHERLANDS	10.000		
	NATIONAL PORTUGAL	10.000		
Kaolin	NATIONAL AUSTRALIA	10.000		This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
	NATIONAL BELGIUM	2.000		
	NATIONAL CANADA	2.000		Canada Ontario, Respirable aerosol. The value for this particulate matter containing no asbestos and <1 percent crystalline silica.
	NATIONAL CANADA	5.000		Canada Québec
	NATIONAL DENMARK	2.000	4.000	Respirable aerosol
	NATIONAL FINLAND	2.000		Respirable fraction
	NATIONAL FRANCE	10.000		Respirable aerosol
	NATIONAL IRELAND	2.000		
	NATIONAL NEW	10.000		Inhalable aerosol



ZEALAND			
NATIONAL	NEW ZEALAND	2.000	Respirable aerosol
NATIONAL	SWITZERLAND	3.000	Respirable aerosol
NATIONAL	UNITED STATES OF AMERICA	15.000	OSHA: Total dust
NATIONAL	UNITED STATES OF AMERICA	5.000	OSHA: Respirable dust
NATIONAL	UNITED STATES OF AMERICA	10.000	NIOSH: Respirable dust
NATIONAL	UNITED STATES OF AMERICA	5.000	NIOSH: Respirable fraction
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	2.000	Respirable aerosol
ACGIH	NNN	2	(E,R), A4 - Pneumoconiosis

## 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

N.A.

Thermal Hazards:

N.A.

Environmental exposure controls:

N.A.

Hygienic and Technical measures

N.A.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State Solid

Color: Grey

Odour: N.A.

Odour threshold: N.A.

pH: =11.40

Kinematic viscosity: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 1.32 REL

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Flammability: N.A.

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Volatile Organic compounds - VOCs = 0 % ; 0 g/l

**Particle characteristics:**

Particle size: N.A.

**9.2. Other information**

Miscibility: N.A.

Conductivity: N.A.

Evaporation rate: N.A.

No other relevant information

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions

**10.2. Chemical stability**

Data not available.

**10.3. Possibility of hazardous reactions**

None.

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

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**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Toxicological Information of the Preparation**

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

**11.2 Information on other hazards**

**Endocrine disrupting properties:**

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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**SECTION 12: Ecological information**

**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards.

No data available for the product

**12.2. Persistence and degradability**

N.A.

**12.3. Bioaccumulative potential**

N.A.

**12.4. Mobility in soil**

N.A.

**12.5. Results of PBT and vPvB assessment**

No PBT/vPvB Ingredients are present

**12.6 Endocrine disrupting properties**

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

**12.7 Other adverse effects**

N.A.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage.

Contact an authorized

waste disposal service.

**Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):**

N.A.

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**SECTION 14: Transport information**

Not classified as dangerous in the meaning of transport regulations.

**14.1. UN number or ID number**

N.A.

**14.2. UN proper shipping name**

N.A.

**14.3. Transport hazard class(es)**

N.A.

**14.4. Packing group**

N.A.

**14.5. Environmental hazards**

N.A.

**14.6. Special precautions for user**

N.A.

Road and Rail (ADR-RID) :

N.A.

Air (IATA) :

N.A.

Sea (IMDG) :

N.A.

**14.7. Maritime transport in bulk according to IMO instruments**

N.A.

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**SECTION 15: Regulatory information**

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

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Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and

subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

**Regulation (EU) 649/2012 (PIC regulation):**

No Substance Listed

German Water Hazard Class.

Class 3: extremely hazardous.

SVHC Substances:

No data available

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and

constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat



KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

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