According to EC No 1907/2006 as amended as at the date of this SDS

# **MAKITA GREASE N NO.2**

Date of last issue: 23.09.2022

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

## **1.1 Product identifier**

Trade name	: MAKITA GREASE N NO.2
Product code	: 042005-4

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

Use of the Sub- stance/Mixture	: Automotive and industrial grease.
Uses advised against	: This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the sup- plier.

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

Manufacturer/Supplier	: Makita Corporation
	Makita Europe N.V. Jan-BaptistVinkstraat 2, 3070, Belgium
Telephone	: +32-(0)2-257-1840

1.4 Emergency telephone number

: +32-(0)2-257-1840 : EURO-NOTRUF Tel: 112

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

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

Based on available data this substance / mixture does not meet the classification criteria.

# 2.2 Label elements

Labelling (REGULATION (I	EC)	No 1272/2008)
Hazard pictograms Signal word	:	No Hazard Symbol required No signal word
Hazard statements	:	PHYSICAL HAZARDS: Not classified as a physical hazard according to CLP criteria. HEALTH HAZARDS: Not classified as a health hazard under CLP criteria.

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ENVIRONMENTAL HAZARDS: Not classified as environmental hazard according to CLP criteria.

Precautionary statements : **Prevention:** 

No precautionary phrases.

## Response:

No precautionary phrases.

Storage:

No precautionary phrases.

Disposal:

No precautionary phrases.

Safety data sheet available on request.

# 2.3 Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Used grease may contain harmful impurities.

High-pressure injection under the skin may cause serious damage including local necrosis. Not classified as flammable but will burn.

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

### 3.2 Mixtures

Chemical nature : A lubricating grease containing highly-refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346. Classification based on DMSO extract content < 3% (Regula-tion (EC) 1272/2008, Annex VI, Part 3, Note L).

#### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
Alkaryl amine	Not Assigned	Aquatic Chronic 4;	0 - 5
	948-046-9	H413	
	01-2120772319-46		
Styrenated Diphenylamine	68442-68-2	Aquatic Chronic 4;	0 - 5
	270-485-3	H413	

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For explanation of abbreviations see section 16.

# **SECTION 4: First aid measures**

4.1 Description of first aid meas	ures	5
Protection of first-aiders	:	When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.
If inhaled	:	No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
In case of skin contact	:	Remove contaminated clothing. Flush exposed area with wa- ter and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
		When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. Obtain medical attention even in the absence of apparent wounds.
In case of eye contact	:	Flush eye with copious quantities of water. Remove contact lenses, if present and easy to do. Continue rinsing. If persistent irritation occurs, obtain medical attention.
If swallowed	:	In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
4.2 Most important symptoms a	nd e	ffects, both acute and delayed
Symptoms	:	Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.
		Local necrosis is evidenced by delayed onset of pain and tissue damage a few hours following injection.
4.3 Indication of any immediate	mec	lical attention and special treatment needed
Treatment	:	Notes to doctor/physician: Treat symptomatically. High pressure injection injuries require prompt surgical inter- vention and possibly steroid therapy, to minimise tissue dam- age and loss of function. Because entry wounds are small and do not reflect the seri- ousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Local

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anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prompt surgical decompression, debridement and evacuation of foreign material should be performed under general anaesthetics, and wide exploration is essential. **SECTION 5: Firefighting measures** 5.1 Extinguishing media Suitable extinguishing media : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Unsuitable extinguishing Do not use water in a jet. : media 5.2 Special hazards arising from the substance or mixture Specific hazards during fire-Hazardous combustion products may include: fighting A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds. 5.3 Advice for firefighters Special protective equipment : Proper protective equipment including chemical resistant for firefighters gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469). Specific extinguishing meth-Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. ods

# **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	<ul><li>6.1.1 For non emergency personnel:</li><li>Avoid contact with skin and eyes.</li><li>6.1.2 For emergency responders:</li><li>Avoid contact with skin and eyes.</li></ul>
		-

#### 6.2 Environmental precautions

Environmental precautions	:	Use appropriate containment to avoid environmental contami-
		nation. Prevent from spreading or entering drains, ditches or
		rivers by using sand, earth, or other appropriate barriers.

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## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up

: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

## 6.4 Reference to other sections

For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet., For guidance on disposal of spilled material see Section 13 of this Safety Data Sheet.

# **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Technical measures	:	Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Use the information in this data sheet as input to a risk as- sessment of local circumstances to help determine appropri- ate controls for safe handling, storage and disposal of this material.
Advice on safe handling	:	Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning mate- rials in order to prevent fires.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage class (TRGS 510)	:	10, Combustible liquids
Further information on stor- age stability	:	Keep container tightly closed and in a cool, well-ventilated place. Use properly labeled and closable containers. Store at ambient temperature.
Packaging material	:	Refer to section 15 for any additional specific legislation cov- ering the packaging and storage of this product. Suitable material: For containers or container linings, use mild steel or high density polyethylene. Unsuitable material: PVC.
Container Advice	:	Polyethylene containers should not be exposed to high tem- peratures because of possible risk of distortion.
7.3 Specific end use(s)		
Specific use(s)	:	Not applicable

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

## 8.1 Control parameters

## Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Oil mist, mineral	Not As- signed	TWA (inhalable fraction)	5 mg/m3	US. ACGIH Threshold Limit Values

## **Biological occupational exposure limits**

#### 8.2 Exposure controls

## Engineering measures

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:

Adequate ventilation to control airborne concentrations.

Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

General Information:

Define procedures for safe handling and maintenance of controls.

Educate and train workers in the hazards and control measures relevant to normal activities associated with this product.

Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance.

Retain drain downs in sealed storage pending disposal or subsequent recycle.

Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

Due to the product's semi-solid consistency, generation of mists and dusts is unlikely to occur.

#### Personal protective equipment

The provided information is made in consideration of the PPE directive (Council Directive 89/686/EEC) and the CEN European Committee for Standardisation (CEN) standards.

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

 Eye protection
 : If material is handled such that it could be splashed into eyes, protective eyewear is recommended.

 Approved to EU Standard EN166.

Hand protection

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Remarks		Where hand contact with the product may occur the use of
Remarks		Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. For continuous contact we recommend gloves with break-through time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.
Skin and body protection	:	Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.
Respiratory protection	:	No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [Type A/Type P boiling point > 65°C (149°F)] meeting EN14387 and EN143.

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

# 9.1 Information on basic physical and chemical properties

Physical state	:	Semi-solid at room temperature.
Colour	:	brown

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Odour	:	Slight hydrocarbon
Odour Threshold	:	Data not available
Dropping point	:	>= 175 °C Method: IP 396
Melting / freezing point		Data not available
Initial boiling point and boiling range	:	Data not available
Flammability		
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	Not classified as flammable but will burn.
Lower explosion limit and uppe	er e	xplosion limit / flammability limit
Upper explosion limit / upper flammability limit	:	Typical 10 %(V)
Lower explosion limit / Lower flammability limit	:	Typical 1 %(V)
Flash point	:	
Auto-ignition temperature	:	> 320 °C
Decomposition temperature Decomposition tempera- ture	:	Data not available
рН	:	Not applicable
Viscosity Viscosity, dynamic	:	Data not available
Viscosity, kinematic	:	Not applicable
Solubility(ies) Water solubility	:	negligible
Solubility in other solvents	:	Data not available
Partition coefficient: n- octanol/water	:	log Pow: > 6 (based on information on similar products)
Vapour pressure	:	< 0,5 Pa (20 °C) estimated value(s)

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Relative density	: 1,00 (15 °C)
Density	: 1.000 kg/m3 (15,0 °C) Method: Unspecified
Relative vapour density	: > 1 estimated value(s)
9.2 Other information	
Explosives	: Classification Code: Not classified
Oxidizing properties	: Data not available
Flammability (liquids)	: Not classified as flammable but will burn.
Evaporation rate	: Data not available
Conductivity	: This material is not expected to be a static accumulator.

# **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.

#### 10.2 Chemical stability

Stable.

No hazardous reaction is expected when handled and stored according to provisions

## 10.3 Possibility of hazardous reactions

Hazardous reactions : Reacts with strong oxidising agents.

# 10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

# 10.5 Incompatible materials

Materials to avoid : Strong oxidising agents.

## 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

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

Information on likely routes of : Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

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Acute toxicity		
Product:		
Acute oral toxicity	:	LD50 (rat): > 5.000 mg/kg Remarks: Low toxicity: Based on available data, the classification criteria are not met.
Acute inhalation toxicity	:	Remarks: Based on available data, the classification criteria are not met.
Acute dermal toxicity	:	LD50 (Rabbit): > 5.000 mg/kg Remarks: Low toxicity: Based on available data, the classification criteria are not met.
Skin corrosion/irritation		
Product:		
Remarks	:	Slightly irritating to skin. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Based on available data, the classification criteria are not met.
Serious eye damage/eye irr	itat	ion
Product:		
Remarks	:	Slightly irritating to the eye. Based on available data, the classification criteria are not met.
Respiratory or skin sensitis	atio	on
Product:		
Remarks	:	For respiratory and skin sensitisation: Not a sensitiser. Based on available data, the classification criteria are not met.
Germ cell mutagenicity		
Product:		
Genotoxicity in vivo	:	Remarks: Non mutagenic Based on available data, the classification criteria are not met.
Germ cell mutagenicity- As- sessment	:	This product does not meet the criteria for classification in categories 1A/1B.

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Carcinogenicity		
<u>Product:</u> Remarks	:	Not a carcinogen. Based on available data, the classification criteria are not met.
Remarks	:	Product contains mineral oils of types shown to be non- carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).
Carcinogenicity - Assess- ment	:	This product does not meet the criteria for classification in categories 1A/1B.

Material	GHS/CLP Carcinogenicity Classification
Highly refined mineral oil	No carcinogenicity classification.

# **Reproductive toxicity**

Product:		
Effects on fertility	:	Remarks: Not a developmental toxicant., Does not impair fertility., Based on available data, the classification criteria are not met.
Reproductive toxicity - As- sessment	:	This product does not meet the criteria for classification in categories 1A/1B.
STOT - single exposure		
<u>Product:</u> Remarks	:	Based on available data, the classification criteria are not met.
STOT - repeated exposure		
<u>Product:</u> Remarks	:	Based on available data, the classification criteria are not met.
Aspiration toxicity		
Product:		

Not an aspiration hazard., Based on available data, the classification criteria are not met.

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11.2 Information on other hazards	
Further information	
Product:	
Remarks :	Used grease may contain harmful impurities that have accu- mulated during use. The concentration of such harmful impuri- ties will depend on use and they may present risks to health and the environment on disposal. ALL used grease should be handled with caution and skin contact avoided as far as possible.
Remarks :	High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.
Remarks :	Slightly irritating to respiratory system.
Remarks :	Classifications by other authorities under varying regulatory frameworks may exist.

# **SECTION 12: Ecological information**

# 12.1 Toxicity

Product:		
Toxicity to fish	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to algae/aquatic plants	:	Remarks: LL/EL/IL50 > 100 mg/l Practically non toxic: Based on available data, the classification criteria are not met.
Toxicity to fish (Chronic tox- icity)	:	Remarks: Based on available data, the classification criteria are not met.
Toxicity to daphnia and other aquatic invertebrates (Chron-ic toxicity)	:	Remarks: Based on available data, the classification criteria are not met.
Toxicity to microorganisms	:	Remarks: Based on available data, the classification criteria are not met.

# 12.2 Persistence and degradability

#### Product:

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Biodegradability	:	Remarks: Not readily biodegradable. Major constituents are inherently biodegradable, but contains com- ponents that may persist in the environment.
12.3 Bioaccumulative potential		
Product:		
Bioaccumulation	:	Remarks: Contains components with the potential to bioaccumulate.
12.4 Mobility in soil		
Product:		
Mobility	:	Remarks: Semi-solid under most environmental conditions., If it enters soil, it will adsorb to soil particles and will not be mo- bile.
		Remarks: Floats on water.
12.5 Results of PBT and vPvB as	sse	ssment
Product:		
Assessment	:	This mixture does not contain any REACH registered sub- stances that are assessed to be a PBT or a vPvB
12.6 Endocrine disrupting prope	ertie	S
no data available		
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	:	Does not have ozone depletion potential, photochemical ozone crea- tion potential or global warming potential.
indion		Product is a mixture of non-volatile components, which will not be released to air in any significant quantities under normal conditions of use.
		Poorly soluble mixture.
		Causes physical fouling of aquatic organisms.
		Mineral oil does not cause chronic toxicity to aquatic organisms at concentrations less than 1 mg/l.
SECTION 13: Disposal consid	dera	ations

## 13.1 Waste treatment methods

Product

: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal meth-

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		ods in compliance with applicable regulations. Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment. Do not dispose into the environment, in drains or in water courses Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination. Waste arising from a spillage or tank cleaning should be dis- posed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
		MARPOL - see International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.
Contaminated packaging	:	Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Local legislation		
Waste catalogue	:	
		EU Waste Disposal Code (EWC):
Waste Code	:	
		12 01 12*
Remarks	:	Disposal should be in accordance with applicable regional, national, and local laws and regulations.
		Classification of waste is always the responsibility of the end user.

# **SECTION 14: Transport information**

# 14.1 UN number or ID number

ADN	: Not regulated as a dangerous good	d
ADR	: Not regulated as a dangerous good	d
RID	: Not regulated as a dangerous good	d
IMDG IATA	<ul><li>Not regulated as a dangerous good</li><li>Not regulated as a dangerous good</li></ul>	

14.2 UN proper shipping name

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ADN	:	Not regulated as a dangerous good				
ADR	:	Not regulated as a dangerous good				
RID	:	Not regulated as a dangerous good				
IMDG IATA	:	Not regulated as a dangerous good 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				
RID	:	Not regulated as a dangerous good				
IMDG IATA	:	Not regulated as a dangerous good Not regulated as a dangerous good				
14.4 Packing group						
<b>ADN</b> CDNI Inland Water Waste Agreement	:	Not regulated as a dangerous good NST 3411 lubricating greases				
ADR	:	Not regulated as a dangerous good				
RID	:	Not regulated as a dangerous good				
IMDG IATA	:	Not regulated as a dangerous good Not regulated as a dangerous good				
14.5 Environmental hazards						
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				
14.6 Special precautions for user						
Remarks	:	Special Precautions: Refer to Section 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.				

# 14.7 Maritime transport in bulk according to IMO instruments

MARPOL Annex 1 rules apply for bulk shipments by sea.

# **SECTION 15: Regulatory information**

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

REACH - List of substances subject to authorisation (Annex XIV)

: Product is not subject to Authorisation under REACH. According to EC No 1907/2006 as amended as at the date of this SDS

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Water hazard class (Germa- ny)	:	WGK 1 slightly hazardous to water Remarks: Classification according to AwSV, Annex 1 (5.2)
Volatile organic compounds	:	Volatile organic compounds (VOC) content: 0 %

# Other regulations:

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Technische Anleitung Luft: Product not listed by name. Observe section 5.2.5 in connection with section 5.4.9 Product is subject Betriebs-Sicherheits-Verordnung (BetrSichV).

The components of this product are reported in the following inventories:							
REACH	:	Not established.					
TSCA	:	All components listed.					

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

# **SECTION 16: Other information**

# Full text of H-Statements

H413

May cause long lasting harmful effects to aquatic life.

## Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

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;

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NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information

No Exposure Scenario annex is attached to this safety data sheet as it is a non-classified mixture containing no hazardous substances. Under Article 31 of REACH, a SDS is not required for this product. Therefore, this SDS has been created on a voluntary basis to pass on potentially relevant information required under Article 32.

A vertical bar (|) in the left margin indicates an amendment from the previous version.

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN