Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
Printed 21.02.2025
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Version 1.11

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

Name of product	**Z 9084 - Special lubricant for SNS Guide elements**
Manufacturer/distributor	STRACK NORMA GmbH & Co. KG Königsberger Strasse 11 D- 58511 Lüdenscheid Tel.: 0 23 51 - 87 01 - 0 Fax: 0 23 51 - 87 01 - 100 e-mail: info@strack.de www.strack.de
Emergency advice	Poison Emergency Bonn: In case of poisoning Phone: +49(0)228-19 240
Use of the Substance/Mixture	Lubricant - restricted to professional users

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Cat-egory 3	H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements:

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

Hazard statements:

H412	Harmful to aquatic life with long lasting effects.

Precautionary statement:

Prevention:

P273	Avoid release to the environment.

Disposal:

P501	Dispose of contents/container to an approved waste disposal plant.

Additional Labelling:

EUH208	Contains: N-1-naphthylaniline	May produce an allergic reaction.

2.3. Other hazards

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

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration No.	Classification	Concentration [%]
triphenyl - phosphate	115-86-6 204-112-2	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	>= 0,25 - < 1
N-1-naphthylaniline	90-30-2 201-983-0 01-2119488704-27-xxxx	Acute Tox. 4; H302 Skin Sens. 1B; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 01-2119555270-46-xxxx	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>=0,1 - < 0,25

For explanation of abbreviations see section 16.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice: No hazards which require special first aid measures

If inhaled: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact: Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact:: Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed: Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: For specialist advice physicians should contact the Poisons Information Service.

Section 5: FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses.

5.3. Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment.

6.2. Environmental precautions

Environmental precautions: If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling: For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion: Normal measures for prevebtive fire protection.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of work-day.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place.

Further information on storage stability: No decomposition if stored and applied as directed.

7.3. Specific end uses

Specific use(s): Raw material for industry

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2,6-di-tert-butyl-p-cresol	128-37-0	AGW (Vapour and aerosols, inhalable fraction)	10 mg/m3	DE TRGS 900
Peak-limit: excur-sion factor (catego-ry)	4;(II)			
Further informa-tion	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., sum of vapor and aerosols, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

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

Substance name	End Use	Exposure routes	Potential health effects	Value
N-1-naphthylaniline	Workers	Inhalation	Long-term systemic effects	0.18 mg/m3
	Workers	Inhalation	Acute systemic effects	44 mg/m3
	Workers	Dermal	Long-term systemic effects	0.05 mg/kg
	Workers	Dermal	Acute systemic effects	6.67 mg/kg
	General expo-sures	Inhalation	Long-term systemic effects	0.044 mg/m3
	General expo-sures	Inhalation	Acute systemic effects	33 mg/m3
	General expo-sures	Dermal	Long-term systemic effects	0.03 mg/kg
	General expo-sures	Dermal	Long-term systemic effects	3.33 mg/kg
	General expo-sures	Ingestion	Long-term systemic effects	0.03 mg/kg
	General expo-sures	Ingestion	Acute systemic effects	8 mg/kg

2,6-di-tert-butyl-p-cresol	Workers	Skin contact		0.5 mg/kg
	Workers	Inhalation		3.5 mg/m3

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

Substance name	Environmental Compartment	Value
N-1-naphthylaniline	Fresh water	0.0002 mg/l
	Marine water	0.00002 mg/l
	Fresh water sediment	0.0344 mg/kg
	Marine sediment	0.00344 mg/kg
	Soil	0.0068 mg/kg
	STP	100 mg/l
2,6-di-tert-butyl-p-cresol	Fresh water	0.000199 mg/l
	Marine water	0.000019 mg/l
	Fresh water sediment	0.0996 mg/kg
	Marine sediment	0.00996 mg/kg
	Soil	0.04769 mg/kg

8.2. Exposure controls:

Engineering measures:

Ensure that eyewash stations and safety showers are close to the workstation location.
Effective exhaust ventilation system.

Personal protective equipment

Eye protection: Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection: Polyvinyl alcohol or nitrile- butyl-rubber gloves The selected protective gloves have to satisfy the specifications of Regula-tion (EU) 2016/425 and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.

Skin and body protection: Impervious clothing
Choose body protection according to the amount and con-centration of the dangerous substance at the work place.

Respiratory protection: Not required; except in case of aerosol formation.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Odour:	No data available
Odour Threshold:	No data available
pH:	Not applicable
Pour point:	-54 °C
	No data available
Flash point:	246 °C
	Method: ASTM D 92

Vapour pressure:	No data available
Density:	No data available
Solubility(ies)	
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	
Viscosity, kinematic:	62.1 mm2/s (40 °C) Method: ASTM D 445 11.4 mm2/s (100 °C) Method: ASTM D 445

9.2. Other information:

Flammability (liquids):	No data available
Oxidising potential:	No information available.

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended storage conditions.

10.2. Chemical stability
No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Hazardous reactions:	Stable under recommended storage conditions., No decom-position if used as directed.

10.4. Conditions to avoid
Exposue to moisture, contamination

10.5. Incompatible materials

Materials to avoid:	Strong acids and oxidizing agents

10.6. Hazardous decomposition products
Nitrogen oxides (NOx), Carbon oxides

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity:	Remarks: Not classified due to lack of data.
Acute inhalation toxicity:	Remarks: Not classified due to lack of data.
Acute dermal toxicity:	Remarks: Not classified due to lack of data.

Components:

triphenyl phosphate:

Acute oral toxicity:	LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity:	LC50 (Rat, male and female): > 200 mg/l Exposure time: 1 h Test atmosphere: dust/mist
Acute dermal toxicity:	LD50 (Rabbit, male and female): > 7,900 mg/kg

N-1-naphthylaniline:

Acute oral toxicity:	LD50: 1.625 mg/kg
Acute dermal toxicity:	LD50 Dermal (Rabbit): > 5,000 mg/kg

2,6-di-tert-butyl-p-cresol:

Acute oral toxicity:	LD50 (Rat, male and female): > 2,930 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute dermal toxicity:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes

Skin corrosion/irritation

Skin irritation:	Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

triphenyl phosphate:	Species: rabbit Result: No skin irritation Method: OECD Test Guideline 404 Exposure time: 4 h GLP: yes
N-1-naphthylaniline:	Species: rabbit Result: No skin irritation Method: Draize Test
2,6-di-tert-butyl-p-cresol :	Species: rabbit Result: No skin irritation

Serious eye damage/eye irritation

Eye irritation:	Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Components:

triphenyl phosphate:	Species: rabbit Result: No eye irritation Method: OECD Test Guideline 405 GLP: yes
N-1-naphthylaniline:	Species: rabbit Result: No eye irritation Method: OECD Test Guideline 405
2,6-di-tert-butyl-p-cresol :	Species: rabbit Result: No skin irritation

Respiratory or skin sensitization

triphenyl phosphate:

Test Type: Maximisation Test
Species: guinea pig
Method: OECD Test Guideline 406
Assessment: Did not cause sensitisation on laboratory animals.
GLP: yes

N-1-naphthylaniline:

Test Type: Maximisation Test
Species: guinea pig
Result: Probability or evidence of low to moderate skin sensitisation rate in humans

2,6-di-tert-butyl-p-c

species: guinea pig
Assessment: Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

Germ cell mutagenicity-As-sessment:

Not classified due to lack of data.

triphenyl phosphate:

Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: in vitro assay
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: Unscheduled DNA synthesis assay
Result: negative

Germ cell mutagenicity-As-sessment:

In vitro tests did not show mutagenic effects

N-1-naphthylaniline:

Ames test
Result: negative
Metabolic activation: with and without metabolic activation

Test Type: Chinesie Hamster Ovary (CHO)
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: in vivo assay
Species: Mouse (male)
Result: negative

Germ cell mutagenicity-As-sessment:

Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

2,6-di-tert-butyl-p-cresol:

Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: Chromosome aberration test in vitro
Metabolic activation: with and without metabolic activation
Result: negative

	Test Type: Unscheduled DNA synthesis assay Result: negative
	Test Type: In Vitro mammalian Cell Gene Mutation Test Result: negative
Gentoxicity in vivo:	Test Type: in vivo micronucleus test Species: mouse (male and female) Cell type: Bone marrow Method: Mutagenicity (micronucleus test) Result: negative
	Test Type: in vivo assay Species: rat (male) Cell type: Bone marrow Application Route: Oral Method: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Result: negative
Germ cell mutagenicity- : As-sessment	Animal testing did not show any mutagenic effects.

Carcinogenicity

Product:

Carcinogenicity - Assessment:	Not classified due to lack of data

Components:

triphenyl phosphate:

Carcinogenicity - Assessment:	Animal testing did not show any carcinogenic effects.

N-1-naphthylaniline:

Carcinogenicity - Assessment:	Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment:	Not classified due to lack of data.

Components: triphenyl phosphate: Reproductive toxicity - Assessment:	No toxicity to reproduction
2,6-di-tert-butyl-p-cresol: Reproductive toxicity - As-sessment:	No toxicity to reproduction No effects on or via lactation

STOT - single exposure
Product:
Assessment: Not classified due to lack of data.

STOT - repeated exposure
Product:
Assessment: Not classified due to lack of data.

Components:
triphenyl phosphate:
Exposure routes: Oral
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

N-1-naphthylaniline:
Exposure routes: Oral
Target Organs: Liver, Kidney
Assessment: May cause damage to organs through prolonged or repeated exposure.

2,6-di-tert-butyl-p-cresol:
Exposure routes: Oral
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity
Product: No aspiration toxicity classification

Further information
Product:
Remarks: No data available

SECTION 12: Ecological information

12.1. Toxicity

Product:
Toxicity to fish: Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates: Remarks: No data available

Components:
triphenyl phosphate:
Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.78 mg/l
Exposure time: 96 h
Test Type: static test

LC50 (Oryzias latipes (Orange-red killifish)): 1.2 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other: aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 1 mg/l
Exposure time: 48 h

EC50 : 0.36 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic: plants	NOEC (Green algae (Scenedesmus subspicatus)): 0.25 - 2.5 mg/l End point: Growth rate Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
M-Factor (Acute aquatic tox -icity):	1
Toxicity to fish (Chronic tox -icity):	NOEC: 0.037 mg/l Exposure time: 30 d Species: Oncorhynchus mykiss (rainbow trout)
N-1-naphthylaniline:	
Toxicity to fish:	LC50 (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 0.68 mg/l Exposure time: 48 h Test Type: semi-static test Analytical monitoring: yes
M-Factor (Acute aquatic tox -icity):	1
Toxicity to microorganisms:	EC50 (Protozoa): 2 mg/l Exposure time: 48 h EC50 (Bacteria): > 10,000 mg/l Exposure time: 3 h
Toxicity to daphnia and other: aquatic invertebrates (Chron -ic toxicity)	NOEC: 0.02 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Analytical monitoring: yes
M-Factor (Chronic aquatic toxicity):	1
2,6-di-tert-butyl-p-cresol:	
Toxicity to daphnia and other aquatic invertebrates (Chron -ic toxicity	NOEC: 0.07 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Analytical monitoring: yes GLP: yes

12.2 Persistence and degradability

Product:

Biodegradability: Result: No data available

Components:

triphenyl phosphate:

Biodegradability:
Test Type: aerobic
Inoculum: activated sludge
Concentration: 100 mg/l
Result: Readily biodegradable.
Biodegradation: 83 - 94 %
Exposure time: 28 d
Method: OECD Test Guideline 301

N-1-naphthylaniline:

Biodegradability:
Test Type: aerobic
Inoculum: activated sludge
Concentration: 100 mg/l
Result: According to the results of tests of biodegradability this product is not readily biodegradable.
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301
GLP: yes

2,6-di-tert-butyl-p-cresol:

Biodegradability:
Test Type: aerobic
Inoculum: activated sludge
Concentration: 50 mg/l
Result: According to the results of tests of biodegradability this product is not readily biodegradable.
Biodegradation: 4.5 %
Exposure time: 28 d

12.3. Bioaccumulative potential

Product:

Bioaccumulation: Remarks: No data available#

Components:

triphenyl phosphate:

Bioaccumulation:
Species: Oryzias latipes (Orange-red killifish)
Exposure time: 18 d
Temperature: 25 °C
Concentration: 0.01 mg/l
Bioconcentration factor (BCF): 144

Partition coefficient: n-octanol/water: log Pow: 4.59 - 4.76

N-1-naphthylaniline:

Bioaccumulation:	Species: Cyprinus carpio (Carp) Exposure time: 56 d Temperature: 25 °C Concentration: 0.1 mg/l Bioconcentration factor (BCF): 427 - 2,730
Partition coefficient: n -octanol/water	log Pow: 4.28

2,6-di-tert-butyl-p-cresol:

Bioaccumulation:	Species: Cyprinus carpio (Carp) Exposure time: 56 d Temperature: 25 °C Concentration: 0.05 mg/l Bioconcentration factor (BCF): 230 - 2,500
Partition coefficient: n -octanol/water	log Pow: 5.1 GLP: yes log Pow: 4.2

12.4. Mobility in soil

Mobility	Remarks:	No data available.

12.5. Results of PBT- and vPvB assessment

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..

12.6. Other adverse effects

Additinal ecological information:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

Abschnitt 14: Transport information

14.1 UN number
Not regulated as a dangerous good

14.2 UN proper shipping name
Not regulated as a dangerous good

14.3 Transport hazard class(es)
Not regulated as a dangerous good

14.4 Packing group
Not regulated as a dangerous good

14.5 Environmental hazards
Not regulated as a dangerous good

14.6 Special precautions for user
Remarks: Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

Section 15: REGULATORY INFORMATION

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).:	This product does not contain sub-stances of very high concern (Regu-lation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV):	Not applicable
Regulation (EC) No 1005/2009 on substances that de -plete the ozone layer	Not applicable
Regulation (EC) No 850/2004 on persistent organic pol -lutants	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes inclu ding jet fuels), (c) gas oils (includ-ing diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alterna-tive fuels serving the same purposes and with similar properties as regards flammability and environ-mental hazards as the products referred to in points (a) to (d)

The components of this product are reported in the following inventories:

DSL:	This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
AICS:	On the inventory, or in compliance with the inventory
NZIoC:	Not in compliance with the inventory
ENCS:	On the inventory, or in compliance with the inventory
KECI:	On the inventory, or in compliance with the inventory
PICCS:	On the inventory, or in compliance with the inventory
IECSC:	On the inventory, or in compliance with the inventory
TCSI:	On the inventory, or in compliance with the inventory
US.TSCA:	All substances listed as active on the TSCA inventory

15.2. Chemical Safety Assessment

No information available.

SECTION 16: OTHER INFORMATION

Full text of H-Statements

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Acute:	Short-term (acute) aquatic hazard
Aquatic Chronic:	Long-term (chronic) aquatic hazard
Skin Sens.:	Skin sensitisation
STOT RE:	Specific target organ toxicity - repeated exposure
DE TRGS 900:	Germany.TRGS 900 - Occupational exposure limit values
DE TRGS 900 / AGW:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regula-tion; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Cana-da); 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 - In-ternational Air Transport Associati-on; IBC - International Code for the Construction and Equip-ment of Ships carrying Dange-rous Chemicals in Bulk; IC50 - Half maximal inhibitory concentra-tion; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Mari-time Organiza-tion; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisa-tion 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) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Develop-ment; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumu-lative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substanc-es; (Q)SAR - (Quantitative) Structure Activity Relation-ship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Coun-cil concerning the Registration, Evalua-tion, 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 - Subs-tance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Techni-cal Rule for Hazardous Substances; TSCA - Toxic Sub-stances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioac-cumulative

Further information

Classification of the mixture:		**Classification procedure:**
Aquatic Chronic 3	H412	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, infor-mation and belief at the date of its publication. The information given is designed only as a guid-ance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information re-lates 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