

Safety Data Sheet



According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2015/830,

According to REGULATION (EC) No 1272/2008

Revised date: 02/03/2022

EFSH20090921-CG-03+Rev2

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

- **1.1 Product identifier**
- **Trade name:** Maped extruded color pencils X48 colors
- **Registration number:** Data not available
- **Other means of identification:** Data not available
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
- **Application of the substance/ mixture:** Writing.
- **Uses advised against:** All other uses.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SuZhouMaped Office Supplies MFG. Co., Ltd.
NO.539 Nan bang road.215300 Kunshan City,Jiangsu Province,P.R.C
Tel: +86-0512-57300288
Email: Quality@maped.com.cn
- **Only Representative/other EU contact point:** No information available.
- **Further information obtainable from:** SuZhouMaped Office Supplies MFG. Co., Ltd.
- **1.4 Emergency telephone number**
- General in EU**
- Tel: 112 (Available 24 hours a day)**

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to regulation (EC) 1272/2008:** The product is not classified according to CLP Regulation.
- **Classification system:**
The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
- **Labeling according to Regulation (EC) No 1272/2008:** The product is not labelled according to CLP Regulation.
- **Hazard pictograms:** Not applicable
- **Signal word:** Not applicable
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements:** Not applicable
- **Precautionary statement:** Not applicable
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- PBT:** Not applicable
- vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization:** Mixture

Eurofins Product Testing Service (Shanghai) Co., Ltd
No.395 West Jiangchang Road, Jing'an District,
Shanghai, China

SDS EU
1 / 10

• **Description:** Mixture of the substances listed below with nonhazardous additions.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	-	238-877-9	35%-45%	None	-
Polystyrene	9003-53-6	-	500-008-9	10%-15%	None	-
Polyethylene	9002-88-4	-	-	6%-15%	None	-
1,3-Butadiene/styrene copolymers	9003-55-8	-	-	5%-10%	None	-
Calcium distearate	1592-23-0	-	216-472-8	1%-5%	None	-
Zinc distearate	557-05-1	-	209-151-9	1%-5%	None	-
N,N'-ethylenedi(stearamide)	110-30-5	-	203-755-6	1%-5%	None	-
Stearic acid	57-11-4	-	200-313-4	1%-2%	None	-
May contains:						
Pigment red 170	2786-76-7	-	220-509-3	5%-10%	None	-
Pigment yellow 13	5102-83-0	-	225-822-9	5%-10%	None	-
Pigment orange 34	15793-73-4	-	239-898-6	5%-10%	None	-
Pigment green 7	1328-53-6	-	215-524-7	5%-10%	None	-
Rutile (TiO ₂)	1317-80-2	-	215-282-2	0%-0.9%	None	-
Pigment blue 15	147-14-8	-	205-685-1	3%-7%	None	-
Iron oxide red	1332-37-2	-	215-570-8	2%-5%	None	-
Carbon black	1333-86-4	-	215-609-9	2%-5%	None	-
Pigment yellow 14	5468-75-7	-	226-789-3	1%-5%	None	-
Pigment red 53	2092-56-0	-	218-248-5	1%-5%	None	-
Pigment violet 23	6358-30-1	-	228-767-9	1%-3%	None	-
Pigment red 122	980-26-7	-	213-561-3	1%-3%	None	-

SECTION 4: First aid measures

• 4.1 Description of first aid measures

General advice: No special immediate medical required.

After inhalation: Supply with fresh air. Get medical attention if you feel unwell.

After skin contact: No special measures required normally, If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse eyes with water. If eye irritation occurs: Get medical advice/attention.

After swallowing: Wash mouth. Get medical attention if you feel unwell.

• **4.2 Most important symptoms and effects, both acute and delayed:** There are not any known symptoms or effects.

• **4.3 Indication of any immediate medical attention and special treatment needed:** No special immediate medical attention or special treatment needed.

SECTION 5: Fire-fighting measures

• 5.1 Extinguishing media

• **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:** Water with full jet.

• **5.2 Special hazards arising from the substance or mixture:** No special hazards arising from the mixture.

• 5.3 Advice for firefighters

Protective equipment: Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

Eurofins Product Testing Service (Shanghai) Co., Ltd
No.395 West Jiangchang Road, Jing'an District,
Shanghai, China

SDS EU
2 / 10

• **6.1 Personal precautions, protective equipment and emergency procedures:**

Cut off leakage source and collect spillage timely; Ensure adequate ventilation; Avoid dust formation; Avoid contact with eyes.

• **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

• **6.3 Methods and material for containment and cleaning up:**

Sweep up and shovel into suitable containers for disposal; Ensure good ventilation; Avoid dust formation; Dispose contaminated material as waste according to section 13.

• **6.4 Reference to other sections:**

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal in formation.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:** Ensure adequate ventilation at workplace; Avoid dust formation; Avoid contact with eyes.

• **Information about fire and explosion protection:** Normal measures for preventive fire protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:** Store in a cool, dry and well-ventilated place.

• **Information about storage in one common storage facility:** No further requirements.

• **Further information about storage conditions:** No further requirements.

• **7.3 Specific end use(s):** See section 1.2.

SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
14807-96-6 Talc (Mg ₃ H ₂ (SiO ₃) ₄)		
Austria	2 mg/m ³ Respirable aerosol	-
Belgium	2 mg/m ³ Asbestos free ;Respirable fraction	-
Denmark	0.3 mg/m ³ Respirable aerosol	0.6 mg/m ³ Respirable aerosol
Finland	0.5 mg/m ³ Fibres/cm ³	2ppm; 15 minutes average value ; Inhalable fraction; particles; 1ppm; 15 minutes average value; Respirable fraction ; particles
Hungary	2 mg/m ³ Respirable aerosol	-
Ireland	10 mg/m ³ Inhalable fraction; 0.8 mg/m ³ Respirable fraction	-
Latvia	4 mg/m ³	
Spain	2 mg/m ³ Respirable aerosol	-
Sweden	2 mg/m ³ Inhalable aerosol; 1 mg/m ³ Respirable aerosol	-
United Kingdom	1 mg/m ³ Respirable aerosol	-
557-05-1 Zinc distearate		
Finland	10 mg/m ³	-
France	10 mg/m ³ Respirable aerosol	-
Ireland	10 mg/m ³ Inhalable fraction; 4 mg/m ³ Respirable fraction	20 mg/m ³ Inhalable fraction;15 minutes reference period
United Kingdom	10 mg/m ³ Inhalable fraction;	20 mg/m ³ Inhalable fraction

	4 mg/m³Respirable fraction		
147-14-8 Pigment blue 15			
Latvia	5 mg/m³	-	
1333-86-4 Carbon black			
Belgium	3.5 mg/m³	-	
Denmark	3.5 mg/m³	7.0 mg/m³	
Finland	3.5 mg/m³	7 mg/m³ 15 minutes average value	
France	3.5 mg/m³	-	
Ireland	3.5 mg/m³	7 mg/m³15 minutes reference period	
Spain	3.5 mg/m³	-	
Sweden	3 mg/m³	-	
United Kingdom	3.5 mg/m³	7 mg/m³	
• DNELs:			
DNEL type		DNEL worker value	DNEL consumer value
14807-96-6 Talc (Mg3H2(SiO3)4)			
Systemic effects	Long-term, inhalation exposure	2.16 mg/m³	1.08 mg/m³
	Acute /short term, inhalation exposure	2.16 mg/m³	1.08 mg/m³
	Long-term, dermal exposure	43.2 mg/kg bw/day	21.6 mg/kg
	Long-term, oral exposure	-	160 mg/kg bw/day
	Acute /short term, oral exposure	-	160 mg/kg bw/day
Local effects	Long-term, inhalation exposure	3.6 mg/m³	1.8 mg/m³
	Acute /short term, inhalation exposure	3.6 mg/m³	1.8 mg/m³
	Long-term, dermal exposure	4.54 mg/cm²	2.27 mg/cm²
1592-23-0 Calcium distearate			
Systemic effects	Long-term, inhalation exposure	32.9 mg/m³	5.8 mg/m³
	Long-term, dermal exposure	9.33 mg/kg bw/day	3.33 mg/kg bw/day
	Long-term, oral exposure	-	3.33 mg/kg bw/day
Local effects	Long-term, dermal exposure	172 µg/cm²	86 µg/cm²
557-05-1 Zinc distearate			
Systemic effects	Long-term, inhalation exposure	16.4 mg/m³	2.9 mg/m³
	Long-term, dermal exposure	4.67 mg/kg bw/day	1.67 mg/kg bw/day
	Long-term, oral exposure	-	1.67 mg/kg bw/day
57-11-4 Stearic acid			
Systemic effects	Long-term, inhalation exposure	17.632 mg/m³	4.348 mg/m³
	Long-term, dermal exposure	10 mg/kg bw/day	5 mg/kg bw/day
	Long-term, oral exposure	-	2.5 mg/kg bw/day
1317-80-2 Rutile (TiO2)			
Systemic effects	Long-term, oral exposure	-	700 mg/kg bw/day
147-14-8 Pigment blue 15			
Systemic effects	Long-term, inhalation exposure	4 mg/m³	-
	Long-term, dermal exposure	450 mg/kg bw/day	225 mg/kg bw/day
	Long-term, oral exposure	-	45 mg/kg bw/day
1333-86-4 Carbon black			
Systemic effects	Long-term, inhalation exposure	1 mg/m³	Systemic Effects
Local effects	Long-term, inhalation exposure	500 µg/m³	Local Effects
• PNECs:			
PNEC type		Value	
14807-96-6 Talc (Mg3H2(SiO3)4)			

Freshwater	597.97 mg/L
Intermittent releases (freshwater)	597.97 mg/L
Marine water	141.26 mg/L
Sediment (freshwater)	31.33 mg/kg sediment dw
Sediment (marine water)	3.13 mg/kg sediment dw
1592-23-0 Calcium distearate	
Freshwater	30 µg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	3 µg/L
Intermittent releases (marine water)	100 µg/L
Sewage treatment plant (STP)	100 mg/L
Sediment (freshwater)	303 µg/kg sediment dw
Sediment (marine water)	30.3 µg/kg sediment dw
557-05-1 Zinc distearate	
Freshwater	3.4 g/L
Intermittent releases (freshwater)	4.13 µg/L
Marine water	340 ng/L
Intermittent releases (marine water)	413 ng/L
Sediment (freshwater)	526 µg/kg sediment dw
Sediment (marine water)	52.6 µg/kg sediment dw
1317-80-2 Rutile (TiO ₂)	
Freshwater	127 µg/L
Intermittent releases (freshwater)	610 µg/L
Marine water	1 mg/L
Sewage treatment plant (STP)	100 mg/L
Sediment (freshwater)	1 000 mg/kg sediment dw
Sediment (marine water)	100 mg/kg sediment dw
147-14-8 Pigment blue 15	
Sediment (freshwater)	10 mg/kg sediment dw
Sediment (marine water)	1 mg/kg sediment dw
1333-86-4 Carbon black	
Freshwater	1-50 mg/L
Intermittent releases (freshwater)	10 mg/L
Marine water	100 µg/L
Intermittent releases (marine water)	1 mg/L

• **Additional information:** The lists valid during the marking were used as basis.

• 8.2 Exposure controls

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;
See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Dust mask is recommended.

• **Protection of hands:** No special protection of hands required.

• **Eye protection:** No special eye protection required.

• **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• Appearance:

Form	Solid
Color	Colorful, 48 Colors
Odor	Odorless
Odor threshold	Not applicable
• pH-value	Not determined
• Change in condition	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
• Freezing point	Not determined
• Flash point	Not applicable
• Flammability (solid, gas)	Not flammable solid
• Decomposition temperature	Not determined
• Self-ignition	Not determined
• Danger of explosion	Not determined
• Explosion limits	
Lower:	Not determined
Upper:	Not determined
• Oxidizing properties	Not determined
• Vapor pressure	Not determined
• Density	Not determined
• Relative density	Not determined
• Vapor density	Not determined
• Evaporation rate	Not determined
• Solubility in/Miscibility with	
Water	Not determined
• Partition coefficient (n-octanol/water)	Not determined
• Viscosity	
Dynamic	Not applicable
Kinematic	Not applicable
• 9.2 Other information	Not determined

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No known hazardous reaction.
- **10.4 Conditions to avoid:** No special avoid conditions.
- **10.5 Incompatible materials:** Acid.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

• 11.1 Information on toxicological effects

• **Acute toxicity:** Based on available data, the classification criteria are not met.

LD50/LC50 values relevant for classification:

9002-88-4 Polyethylene		
Mouse	LC50-inhalation	12000mg/m ³ /30M
1592-23-0 Calcium distearate		
Mouse	LD50-oral	>10000mg/kg
Rat	LD50-oral	>10000mg/kg
557-05-1 Zinc distearate		
Rat	LD50-oral	>10000mg/kg
Mouse	LD50-oral	>10000mg/kg
57-11-4 Stearic acid		
Rabbit	LD50-skin	>5000mg/kg
5102-83-0 Pigment yellow 13		
Rat	LD50-oral	>5000mg/kg
147-14-8 Pigment blue 15		
Rat	LD50-oral	>15000mg/kg
1333-86-4 Carbon black		
Rabbit	LD50-skin	>3000mg/kg
Rat	LD50-oral	>15400mg/kg
5468-75-7 Pigment yellow 14		
Rat	LD50-oral	>5000mg/kg
980-26-7 Pigment red 122		
Rabbit	LD50-skin	>3000mg/kg
Rat	LD50-oral	>23000mg/kg
Remark: All the above data are from literature.		

• **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

• **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.

• **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

• **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

• **Carcinogenicity:** Based on available data, the classification criteria are not met.

• **Reproductive toxicity:** Based on available data, the classification criteria are not met.

• **STOT-single exposure:** Based on available data, the classification criteria are not met.

• **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

• **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

• 12.1 Toxicity

• **Aquatic toxicity:** Not hazardous to the aquatic environment.

LC50/EC50/NOEC values relevant for classification:

14807-96-6 Talc (Mg ₃ H ₂ (SiO ₃) ₄)	
Short-term toxicity to fish	LC50 (4 days) 89.581 - 110 g/L
Long-term toxicity to fish	NOEC (30 days) 1.413 - 5.98 g/L
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 36.812 g/L

Long-term toxicity to aquatic invertebrates		NOEC (30 days) 1.46 g/L
Toxicity to aquatic algae and cyanobacteria		EC50 (4 days) 7.203 g/L NOEC (30 days) 918.089 mg/L
1592-23-0 Calcium distearate		
Short-term toxicity to fish		LC50 (4 days) 15 - 513.188 mg/L
Short-term toxicity to aquatic invertebrates		EC50 (48 h) 5 - 166.3 mg/L LC50 (48 h) 454 mg/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 4.1 - 344.481 mg/L NOEC (72 h) 4.1 - 56 mg/L
Toxicity to microorganisms		EC50 (15 min) 75.387 mg/L
57-11-4 Stearic acid		
Short-term toxicity to fish		LC50 (48 h) 10 g/L
Short-term toxicity to aquatic invertebrates		EC50 (48 h) 4.8 mg/L NOEC (48 h) 4.8 mg/L
5102-83-0 Pigment yellow 13		
Short-term toxicity to aquatic invertebrates		EC50 (24 h) 1 g/L NOEC (48 h) 100 mg/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 100 mg/L NOEC (72 h) 100 mg/L
1328-53-6 Pigment green 7		
Short-term toxicity to fish		LC50 (4 days) 752.4 mg/L
Short-term toxicity to aquatic invertebrates		EC50 (48 h) 500 mg/L
Long-term toxicity to aquatic invertebrates		NOEC (21 days) 1 mg/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 100 mg/L
Toxicity to microorganisms		EC50 (30 min) 10 g/L
1317-80-2 Rutile (TiO2)		
Short-term toxicity to fish		LC50 (4 days) 100 - 10 000 mg/L NOEC (14 days) 1 mg/L
Short-term toxicity to aquatic invertebrates		EC50 (48 h) 1 g/L LC50 (48 h) 10 - 10 000 mg/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 16 - 10 000 mg/L NOEC (72 h) 1 - 5 600 mg/L
Toxicity to microorganisms		EC50 (3 h) 1 g/L NOEC (3 h) 1 g/L
147-14-8 Pigment blue 15		
Short-term toxicity to fish		LC50 (4 days) 100 - 355.6 mg/L
Short-term toxicity to aquatic invertebrates		EC50 (48 h) 500 mg/L
Long-term toxicity to aquatic invertebrates		NOEC (21 days) 1 mg/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 100 mg/L
Toxicity to microorganisms		EC50 (3 h) 10 g/L
1333-86-4 Carbon black		
Short-term toxicity to aquatic invertebrates		EC50 (24 h) 5.6 g/L NOEC (24 h) 3.2 g/L
Toxicity to aquatic algae and cyanobacteria		EC50 (72 h) 10 g/L NOEC (72 h) 10 g/L
• 12.2 Persistence and degradability: Readily biodegradable.		
1592-23-0	Calcium distearate	Readily biodegradable in water
57-11-4	Stearic acid	Readily biodegradable in water
• 12.3 Bio-accumulative potential: Low bio-accumulation.		

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Log Pow= -9.4 at 25 °C and pH 7
1592-23-0	Calcium distearate	Log Pow= 3.82 - 18.27 at 20 - 25 °C and pH 7
57-11-4	Stearic acid	Log Pow = 8.23
5102-83-0	Pigment yellow 13	Log Pow= 1.8 at 24 °C and pH 7
1328-53-6	Pigment green 7	Log Pow= 0.88 - -0.4 at 23 °C

• **12.4 Mobility in soil:** Low mobility in soil.

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Henry's law constant = 0 Pa m ³ /mol at 25 °C and 101.325 kPa
------------	---	--

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

PBT: Not applicable

vPvB: Not applicable

• **12.6 Other adverse effects:** No known other adverse effects.

• **12.7 Additional ecological information**

• **General notes:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:** Small quantities can be disposed together with household garbage; Large quantities disposed must be in according to the local regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• 14.1 UN-Number ADR, RID, ADN, IMDG, IATA	Not regulated as dangerous transport goods, not applicable
• 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA	Void
• 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	Void Void
• 14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
• 14.5 Marine pollution	No
• 14.6 Special precautions for user • Danger code (Kemler) • EMS number	Void Void Void
• 14.7 UN "Model Regulation"	Void

SECTION 15: Regulatory information

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

• **MAK (German Maximum Workplace Concentration):**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3B
1333-86-4	Carbon black	3B

- **Directive 2012/18/EU**
- **Named dangerous substances-ANNEX I:** None of the ingredients is listed.
- **Seveso category:** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable
- **National regulations.**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

End of safety data sheet