Safety data sheet

Chemetall (now part of BASF Group) Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.
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Date / First version: 23.01.2019
Product: **Xmor LD8, Aerosol EA**

(ID no. 30805490/SDS_GEN_GB/EN)
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Xmor LD8, Aerosol EA

UFI: 87MP-V7JN-200C-N02P

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

Recommended use: Developer

Not recommended use: Uses other than recommended

1.3. Details of the supplier of the safety data sheet

Company:
Chemetall Ltd.
Napier House, Auckland Park
Bletchley, MK1 1BU
Great Britain
+44 1908 649333
sds.global-chemetall@basf.com

1.4. Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Eye Dam./Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
Flam. Aerosol 1	H222 Extremely flammable aerosol.
Flam. Aerosol 1	H229 Pressurized container: May burst if heated.

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Pictogram:

Signal Word:
Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P211	Do not spray on an open flame or other ignition source.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P280	Wear protective gloves, protective clothing and eye protection or face protection.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Labeling of special preparations (GHS):
EUH066: Repeated exposure may cause skin dryness or cracking.

Hazard determining component(s) for labelling: propan-2-ol, acetone

2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Container is under pressure. Protect from sun and temperatures above 50 °C. Do not open with force or incinerate even after use. Do not spray into flames or onto glowing objects.

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

fillers, inorganic compounds, organic solvent

Hazardous ingredients (GHS)

acetone

Content (W/W): >= 30 % - < 50 %	Flam. Liq. 2
CAS Number: 67-64-1	Eye Dam./Irrit. 2
EC-Number: 200-662-2	STOT SE 3 (drowsiness and dizziness)
REACH registration number: 01-2119471330-49	H225, H319, H336
INDEX-Number: 606-001-00-8	EUH066

propan-2-ol

Content (W/W): >= 7 % - < 10 %	Flam. Liq. 2
CAS Number: 67-63-0	Eye Dam./Irrit. 2
EC-Number: 200-661-7	STOT SE 3 (drowsiness and dizziness)
REACH registration number: 01-2119457558-25	H225, H319, H336
INDEX-Number: 603-117-00-0	

Amines, N-tallow alkyltrimethylenedi-, ethoxylated

Content (W/W): > 0 % - < 0.1 %	Acute Tox. 4 (oral)
CAS Number: 61790-85-0	Eye Dam./Irrit. 1
EC-Number: 500-149-6	STOT RE (digestive tract) 1
REACH registration number: 01-2119962190-43	Aquatic Acute 1
	Aquatic Chronic 1
	Skin Corr./Irrit. 1B
	M-factor acute: 10
	M-factor chronic: 1
	H314, H302, H410, H372

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:
If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms: Eye irritation, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

4.3. Indication of any immediate medical attention and special treatment needed
Treatment: Symptomatic treatment (decontamination, vital functions).
Antidote: No known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media
Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:
water jet

5.2. Special hazards arising from the substance or mixture
Endangering substances: carbon oxides
Advice: Cool containers exposed to fire with water. Decomposition, pressure build-up and bursting of containers may occur.

5.3. Advice for fire-fighters
Special protective equipment:
Appropriate breathing apparatus may be required.

Further information:
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

6.2. Environmental precautions
Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

6.4. Reference to other sections
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling
Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Handle with care - avoid bumps, friction and impact. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Paper/Fibreboard, Carbon steel (Iron), tinned carbon steel (Tinplate)
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:
Storage temperature: < 50 °C

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

67-63-0: propan-2-ol
TWA value 999 mg/m3 ; 400 ppm (WEL/EH 40 (UK))
STEL value 1,250 mg/m3 ; 500 ppm (WEL/EH 40 (UK))
Ceiling limit value/factor: 15 min

67-64-1: acetone
TWA value 1,210 mg/m3 ; 500 ppm (WEL/EH 40 (UK))
TWA value 1,210 mg/m3 ; 500 ppm (OEL (EU))
indicative
STEL value 3,620 mg/m3 ; 1,500 ppm (WEL/EH 40 (UK))
Ceiling limit value/factor: 15 min

74-98-6: propane
(WEL/EH 40 (UK))
Included in the regulation, but with no data values - See the regulation for further details

106-97-8: butane
TWA value 1,450 mg/m3 ; 600 ppm (WEL/EH 40 (UK))
STEL value 1,810 mg/m3 ; 750 ppm (WEL/EH 40 (UK))
Ceiling limit value/factor: 15 min

14807-96-6: Talc
TWA value 1 mg/m3 (WEL/EH 40 (UK)), Respirable dust

Biological limit values (BLV)

No data available.

Components with PNEC

67-63-0: propan-2-ol
freshwater: 140.9 mg/l
marine water: 140.9 mg/l
intermittent release: 140.9 mg/l
STP: 2251 mg/l
sediment (freshwater): 552 mg/kg
sediment (marine water): 552 mg/kg
soil: 28 mg/kg
oral (secondary poisoning): 160 mg/kg

67-64-1: acetone

freshwater: 10.6 mg/l
marine water: 1.06 mg/l
intermittent release: 21 mg/l
sediment (freshwater): 30.4 mg/kg
sediment (marine water): 3.04 mg/kg
soil: 29.5 mg/kg
STP: 100 mg/l

Components with DNEL

67-63-0: propan-2-ol
worker: Long-term exposure- systemic effects, Inhalation: 500 mg/m3
worker: Long-term exposure- systemic effects, dermal: 888 mg/kg
consumer: Long-term exposure- systemic effects, Inhalation: 89 mg/m3
consumer: Long-term exposure- systemic effects, dermal: 319 mg/kg
consumer: Long-term exposure- systemic effects, oral: 26 mg/kg

67-64-1: acetone
worker: Long-term exposure - local effects, Inhalation: 2420 mg/m3
worker: Long-term exposure- systemic effects, Inhalation: 1210 mg/m3, 500 ppm
worker: Long-term exposure- systemic effects, dermal: 186 mg/kg
consumer: Long-term exposure- systemic effects, dermal: 62 mg/kg
consumer: Long-term exposure- systemic effects, Inhalation: 200 mg/m3
consumer: Long-term exposure- systemic effects, oral: 62 mg/kg

8.2. Exposure controls

Appropriate engineering controls
Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Personal protective equipment

Respiratory protection:
Respiratory protection required if exposure limit (if available) may be exceeded (Combination filter EN 14387 AX-P)

Hand protection:
Chemical resistant protective gloves (EN ISO 374-1)
nitrile rubber (NBR) - 0.4 mm coating thickness
butyl rubber (butyl) - 0.7 mm coating thickness
Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:
Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

Environmental exposure controls
For information regarding environmental exposure controls, see Section 6.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	aerosol	
Colour:	white	
Odour:	characteristic	
pH value:		
	substance/mixture is a gas	
Melting point:		
	Study technically not feasible.	
onset of boiling:	> -40 °C	(calculated)
Flash point:	-18 °C	
	without propellant	
Flammability:	Extremely flammable aerosol.	
Lower explosion limit:		
	not determined	
Ignition temperature:		
	not determined	
Vapour pressure:		
	(20 °C)	
	not determined	
	(50 °C)	
	not determined	
Density:	0.880 g/cm3	
	(20 °C)	
Relative vapour density (air):		
	Heavier than air.	
Solubility in water:	miscible	
Partitioning coefficient n-octanol/water (log Kow):		
	not applicable for mixtures	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	

Viscosity, kinematic:
(20 °C)
not applicable

(40 °C)
not applicable, not determined
Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

9.2. Other information

Self heating ability: It is not a material capable of spontaneous heating

Miscibility with water:
miscible
Flow time:
not applicable

SECTION 10: Stability and Reactivity

10.1. Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability
The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions
Risk of bursting. Vapours may form explosive mixture with air.

10.4. Conditions to avoid
Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight.

10.5. Incompatible materials

Substances to avoid:
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

10.6. Hazardous decomposition products

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:
Based on available data, the classification criteria are not met.

Irritation

Assessment of irritating effects:
Not irritating to the skin. Eye contact causes irritation. The liquid splashed in the eyes may cause irritation and reversible damage.

Respiratory/Skin sensitization

Assessment of sensitization:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:
There are no test results available for this product. Do not allow to enter drains or waterways. The mixture has been assessed following regulation (EC) No 1272/2008 and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):
No data available concerning biodegradation and elimination.

12.3. Bioaccumulative potential

Bioaccumulation potential:
No data available.

12.4. Mobility in soil

Assessment transport between environmental compartments:
Adsorption in soil: No data available.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Dispose of the substance/product as special waste in accordance with Directive 2008/98/EC.

Waste key:
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging:
Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14: Transport Information

Land transport

ADR

UN number or ID number:	UN1950
UN proper shipping name:	AEROSOLS
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	no
Special precautions for user:	Tunnel code: D

RID

UN number or ID number:	UN1950
UN proper shipping name:	AEROSOLS
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	no
Special precautions for user:	None known

Inland waterway transport
ADN

UN number or ID number:	UN1950
UN proper shipping name:	AEROSOLS
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	no
Special precautions for user:	None known

Transport in inland waterway vessel
Not evaluated

Sea transport

IMDG

UN number or ID number:	UN 1950
UN proper shipping name:	AEROSOLS
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	no Marine pollutant: NO
Special precautions for user:	

Air transport

IATA/ICAO

UN number or ID number:	UN 1950
UN proper shipping name:	AEROSOLS, FLAMMABLE
Transport hazard class(es):	2.1
Packing group:	Not applicable
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

14.1. UN number or ID number
See corresponding entries for “UN number or ID number” for the respective regulations in the tables above.

14.2. UN proper shipping name
See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3. Transport hazard class(es)
See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4. Packing group
See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5. Environmental hazards
See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

SECTION 15: Regulatory Information

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

Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
VOC content: 94.8 %
VOC content: 834.6 g/l

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: FLAMMABLE AEROSOLS ‘Flammable’ aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The product contains a substance (Annex I / Annex II) regulated under Regulation (EU) 2019/1148 - "marketing and use of explosives precursors". This may result in obligations for your company according to the statutory requirements of the aforementioned regulation and the respective national implementing regulations.

15.2. Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

SECTION 16: Other Information

Literature and Data Sources: REACH-Regulation (EC) No. 1907/2006. CLP-Regulation (EC) No. 1272/2008.

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Flam. Aerosol	Flammable aerosols
Flam. Liq.	Flammable liquids
Acute Tox.	Acute toxicity

STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Skin Corr./Irrit.	Skin corrosion/irritation
H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H225	Highly flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H410	Very toxic to aquatic life with long lasting effects.
H372	Causes damage to organs () through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.