

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

STEARATE DE ZINC

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Issue date: 01/09/2025 Revision date: 01/09/2025 Supersedes version of: 05/11/2024 Version: 21.00

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

1.1. Product identifier

Product form	: Substance
Trade name	: LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70
Chemical name	: Fatty acids, C16-18, zinc salts
EC-No.	: 293-049-4
CAS-No.	: 91051-01-3
EU REACH registration No.	: 01-2119513214-54-0006

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

1.2.1. Relevant identified uses

Use of the substance/mixture	: Stabilizer Process regulator or aid Impregnation agents Complexing agents Lubricants, greases, release products Surfactant Additive for Polymers
------------------------------	---

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of product safety information sheet

Supplier

Peter Greven GmbH & Co. KG
Peter-Greven-Str. 20-30
DE 53902 Bad Münstereifel
Germany
T +49-2253-313-0
sales@peter-greven.de

Email competent person

sds@kft.de

1.4. Emergency telephone number

Emergency number	: For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)
------------------	---

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : No additional information available.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty acids, C16-18, zinc salts	EC-No.: 293-049-4 REACH-no: 01-2119513214-54-0006	100	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Metal oxides.

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.
- Measures in case of dust release : Avoid dust formation. Provide adequate ventilation to minimize dust concentrations. Keep away from sources of ignition.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
- Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from any flames or sparking source. Precautionary measures fire. Avoid dust formation.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store at room temperature. Keep away from heat and direct sunlight. Protect from moisture. Store in a well-ventilated place.
- Incompatible materials : Strong oxidizing agent. Strong bases. Acids. Peroxides.
- Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Fatty acids, C16-18, zinc salts (91051-01-3)	
PNEC (Water)	
PNEC aqua (freshwater)	150.4 µg/L
PNEC aqua (marine water)	44.5 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	859.9 mg/kg dwt
PNEC sediment (marine water)	412.4 mg/kg dwt
PNEC (Soil)	
PNEC soil	259.9 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	729.9 µg/L

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

In case of dust production: protective goggles. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN ISO 13688. ISO 13982

Hand protection:

In case of repeated or prolonged contact wear gloves. Nitrile rubber. Butyl rubber. Fluoroelastomer (FKM). ISO 374-1. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

8.2.2.3. Respiratory protection

Respiratory protection:

Not required for normal conditions of use. EN 143. Dust production: dust mask with filter type P1. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Appearance	: Powder. Granulate.
Odour	: slight. characteristic.
Odour threshold	: Not available
Melting point	: 118 – 122 °C (OECD 102 method)
Freezing point	: Not applicable
Boiling point	: Thermal decomposition
Flammability	: Not flammable
Explosive properties	: Product is not explosive. Dust may form explosive mixture in air.
Oxidising properties	: Non oxidizing.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 7 – 9 (20°C; APAG-MS-004)
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Solubility	: Water: 0.9 mg/l (20°C) Organic solvent:soluble in most organic solvents
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 1.2 (zinc stearate 557-05-1)
Vapour pressure	: Not applicable
Vapour pressure at 50°C	: Not available
Density	: 1.03 g/cm ³ (20°C; (OECD 109 method))
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1)	: Not applicable
Additional information	: Solidification point: >54°C

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

The product is stable at normal handling and storage conditions. To avoid thermal decomposition, do not overheat.

10.3. Possibility of hazardous reactions

Potential dust explosion hazard from airborne release.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

Strong bases. Strong oxidizing agent. Acids. Peroxides.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Fatty acids, C16-18, zinc salts (91051-01-3)

LD50 oral rat	> 2000 mg/kg (OECD 423 method)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 200 mg/l
LC50 Inhalation - Rat (Dust/Mist)	> 12 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7 – 9 (20°C; APAG-MS-004)

Additional information : rabbit
(OECD 404 method)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7 – 9 (20°C; APAG-MS-004)

Additional information : rabbit
(OECD 405 method)

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Additional information : No sensitizing effect known

Guinea pig
(OECD 406 method)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Additional information : Negative
(OECD 471 method)
(OECD 474 method)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Fatty acids, C16-18, zinc salts (91051-01-3)	
Viscosity, kinematic	Not applicable

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met).

Fatty acids, C16-18, zinc salts (91051-01-3)	
EC50 - Crustacea [1]	2140 µg/l (48 h; Daphnia magna; (OECD 202 method))
EC50 72h algae	> 100 mg/l (72 h; Raphidocelis subcapitata; (OECD 201 method))
NOEC (chronic)	199 µg/L (30 d; Oncorhynchus mykiss; (OECD 215 method))
NOEC chronic fish	199 µg/L (30 d; Oncorhynchus mykiss; (OECD 215 method))
NOEC chronic crustacea	100 µg/L (48 h; Crassostrea gigas)
NOEC chronic algae	24 µg/L (3 d; Raphidocelis subcapitata; (OECD 201 method))

12.2. Persistence and degradability

Fatty acids, C16-18, zinc salts (91051-01-3)	
Persistence and degradability	Rapidly degradable
Biodegradation	≥ 93 % (28 d, (OECD 301D method))

12.3. Bioaccumulative potential

Fatty acids, C16-18, zinc salts (91051-01-3)	
Partition coefficient n-octanol/water (Log Pow)	1.2 (zinc stearate 557-05-1)
Bioaccumulative potential	Bioaccumulation is not expected to occur.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Fatty acids, C16-18, zinc salts (91051-01-3)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Do not re-use empty containers without proper cleaning or reconditioning. Recycle or dispose of in compliance with current legislation.

European List of Waste (LoW, EC 2000/532) : 07 07 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Council Regulation (EC) for the control of dual-use items

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

Explosives Precursors Regulation (EU 2019/1148)

Not listed on the Explosives Precursors list (EU)

Drug Precursors Regulation (EC 273/2004)

Not listed on the Drug Precursors list (EU)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Indication of changes:

General revision.

Indication of changes		
Section	Changed item	Comments
1.1	Trade name	Modified

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Abbreviations and acronyms:	
ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
BCF	Bioconcentration factor
CAS	Chemical Abstract Service
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LC50	Median lethal concentration
PBT	Persistent Bioaccumulative Toxic
SDS	Safety Data Sheet
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
vPvB	Very Persistent and Very Bioaccumulative
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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
ATE	Acute Toxicity Estimate
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
TLM	Median Tolerance Limit

Data sources

: European Chemicals Agency, <http://echa.europa.eu/>. Supplier Safety Data Sheet.

LIGASTAR ZN 101, ZN 101 C, ZN 101 CG, ZN 101 CGR, ZN 101 CG-V, ZN 101 CGR V-MB, ZN 101 S, ZN 101-V, ZN 101/6, ZN 101/6 FG, ZN 101/6 FG S5, ZN 101/6 FT, ZN 101/6 L, ZN 101/6 S5, ZN 101/6 V, ZN 101/7, ZINC STEARATE N, ZINKSTEARAT, LIGASTAB ZN E, ZN 70

Product Safety Information Sheet

This safety data sheet is for informational purposes only and does not fully comply with national legal requirements. The national distributor is responsible for a legally compliant safety data sheet.

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark 3
D-64347 Griesheim

Phone: +49 69 305 34 700

Fax: +49 69 305 86 500

SDS Service: +49 69 305 34 740

Other information : Version/s 16.00 is/are not available in this language.

KFT SDS EU 00 - Version 25.1