

# Safety Data Sheet.

EC Directive 91/155/EWG und /93/112/EWG

# LAUDA

## Safety Data sheet

### 1. LAUDA Designation

Order No.

### Kryo 55

LZB 124	5L
LZB 224	10L
LZB 324	20L

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### In case of emergency

- During office hours
- See also chapter 16 for other information

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### 1.1 Identifications of the substance

Polymerketten der Struktur  $(\text{CH}_3)_3\text{SiO}[-\text{Si-O-}]_n \text{Si}(\text{CH}_3)_3$

### 2. Composition/ information on ingredients

Polydimethylsiloxanen und Polyphenylmethylsiloxanen

### 3. Hazards codes NFPA

Health = 1

Flammability = 1

Reactivity = 0

### 4. First aid action

If the product comes into contact with the eyes, rinse with plenty of water.

If the product comes into contact with the skin, remove it by mechanical means.

After swallowing the product, consult a doctor.

### 5. Firefighting actions

Extinguishing agents: CO<sub>2</sub>, foam, water spray jet, extinguishing powder

### 6. Action if product released unintentionally

Soak up using absorbent material such as sawdust or sand.

### 7. Handling and storage

VCI-storage class 3B

### 8. Explosion limitation and personal protective equipment

Eye protection: safety goggles

Conform to the usual requirements when handling chemicals.

#### Quality Management

Act.date	Name	Path
05.07.06	Kryo_55_Sd_E.doc	V:\Qualitätswesen\Prozesse\Badflüssigkeiten\BADFLUSS\SICHERH
	Kryo_55_Sd_E.pdf	E\Kryo\Kryo_55\Kryo_55_Sd_E.doc

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## 9. Physical and chemical characteristics

Form:	Liquid
Colour	Colourless
Odour	Odourless
Initial boiling point (IBP)	>275 °C at 1013 mbar
Solidification temperature	<-96 °C
Viscosity at 0 °C:	7,5 cSt
Viscosity at -80 °C:	130 cSt
Density:	0,92 g/cm <sup>3</sup> at 20 °C
Vapour pressure:	0,013 Pa at 0 °C 1,33 Pa at 50°C
Solubility in water:	Insoluble
PH-value:	Neutral at 20 °C
Ignition point:	>420 °C
Flash point DIN 51376:	>121 °C
Fire point DIN 51376:	>162 °C
Volumeexpansion:	12 %/100 °C
Explosion limits:	Limits not determined

## 10. Stability and reactivity

Thermal decomposition:	No decomposition if used according to the intended purpose. Cleavage products are generated in the event of local overheating during use, and these may reduce the flashpoint.
Hazardous products of decomposition:	No hazardous products of decomposition if stored coreectly.
Hazardous reaction:	Low molecular products of decomposition may form if the material is heated in open vessels; these products may explode on ignition.
Further information:	In the presence of air, at temperature from approx. 150°C upwards, formldehyde may be formed in small amounts due to oxidative decomposition.

## 11. Toxicological information

Polydimethylsiloxanes are physiologically harmless according to knowledge at present; however, contact with the eyes can cause cloudes vision which is not dangerous and is reversible in a short period; this is due to the function of a film of oil on the eyeball.

## 12. Ecological information

Polydimethylsiloxanes are degradable to a certain due to abiotic processes; no bioaccumulation is known.

Water danger class (WGK): 1 – slightly dangerous to water

## 13. Notes on disposal

Can be incinerated in a suitable plant, in compliance with the local imposed by the authorities.

## 14. Transport information

CAS:	9016-00-6
UN-Nr.:	no
TSCA:	--
MFAG:	-
EmS:	
ICAO/IATA-DGR:	not register
RID/ADR:	Kl. Nein
MPO:	-
Kat.	-
GGVSee/IMDG-Code:	-
PG:	-
GGVE/GGVS:	Kl. Nein
ADNR:	Kl.9 Zi.40
Postversand Deutschland (gem. GGVE) zugel.:	Ja, bis 500 ml pro Innenpack, 5000 ml pro Versandstück
Deklaration Land:	POLYDIMETHYLSILOXAN
Deklaration See:	-
Deklaration Luft:	-
Further data:	This product is not danger property in accordance with the at present valid national and international danger property goodes.
Other data:	From food keep separated. Weakly smelling protect against wetness
Working reliability regulations	with water mixable
Water endangerment class:	WGK 1 weakly Water endangerment in accordance with appendix 3 VwVwS

## 15. Regulations

No marking after dangerous material regulation and appropriate EG guidelines 1999/45/EG necessarily.

DANGER Class after AIII: Fp>55°C to 100°C

### Specification in the USA

All components of this product are led in the EPA TSCA Chemical Substance Inventory. The accurate composition is TS (trade secret).

### Supplier information:

This product does not contain toxic chemicals, which are subject to the obligation to register of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part of 372.

California proposition 65: This product does not contain chemicals, which can cause California cancer or reproductive toxicity after knowledge of the Federal State.

## 16. Further Information

For use in accordance with the intended purpose, we refer to the technical description of the Kryo 55.

## 17. Information

The information is based on the present status of knowledge and experience. The safety datasheet describes products with respect to the safety requirements. The Information does not constitute a warranty of characteristics.