



Safety Data Sheet according to (EC) No 1907/2006 as amended

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Sista P 800 Fugenprimer "toluene free"

SDS No. : 497723
V003.2

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

1.1. Product identifier

Sista P 800 Fugenprimer "toluene free"

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

Intended use:

Primer, solvent-containing

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

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40589 Düsseldorf

Germany

Phone: +49 211 797 0

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Flammable liquids	Category 2
H225 Highly flammable liquid and vapour.	
Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye damage	Category 1
H318 Causes serious eye damage.	
Specific target organ toxicity - single exposure	Category 3
H336 May cause drowsiness or dizziness.	
Target organ: Central nervous system	
Specific target organ toxicity - repeated exposure	Category 2
H373 May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	Category 1
H304 May be fatal if swallowed and enters airways.	
Chronic hazards to the aquatic environment	Category 2
H411 Toxic to aquatic life with long lasting effects.	

2.2. Label elements**Label elements (CLP):****Hazard pictogram:****Contains**

Alkanes, C7-10-iso-

Titanium tetrabutanolate

4,4,7,7-tetraethoxy-3,8-dioxo-4,7-disiladecane

Signal word:

Danger

Hazard statement:

H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statement:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing vapors.
 P280 Wear protective gloves/eye protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
 P331 Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

None if used properly.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
Alkanes, C7-10-iso- 90622-56-3 292-458-5 01-2119471305-42	75- < 80 %	Flam. Liq. 2, H225 Asp. Tox. 1, Oral, H304 Skin Irrit. 2, Dermal, H315 STOT SE 3, H336 Aquatic Chronic 2, H411		
Titanium tetrabutanolate 5593-70-4 227-006-8 01-2119967423-33	5- < 10 %	Skin Irrit. 2, Dermal, H315 Eye Dam. 1, H318 Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336		
tetraethyl silicate 78-10-4 201-083-8 01-2119496195-28	< 3 %	STOT SE 3, H335 Eye Irrit. 2, H319 Acute Tox. 4, Inhalation, H332 Flam. Liq. 3, H226		EU OEL
4,4,7,7-tetraethoxy-3,8-dioxa- 4,7-disiladecane 16068-37-4 240-212-2	< 3 %	Acute Tox. 3, Oral, H301 Acute Tox. 4, Dermal, H312 STOT RE 1, H372 Aquatic Chronic 3, H412		

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.

For full text of the H - statements and other abbreviations see section 16 "Other information".

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

May be fatal if swallowed and enters airways.

Vapors may cause drowsiness and dizziness.

SKIN: Redness, inflammation.

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Danger of slipping on spilled product.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in sealed original container.

Keep container in a well ventilated place.

Store in a cool, dry place.

Temperatures between 0 °C and + 30 °C

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Primer, solvent-containing

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Alkanes, C7-10-iso-90622-56-3		1.500	Exposure limit(s):	2	TRGS 900
Alkanes, C7-10-iso-90622-56-3		600	Exposure limit(s):	2	TRGS 900
Alkanes, C7-10-iso-90622-56-3			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Alkanes, C7-10-iso-90622-56-3			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Tetraethyl orthosilicate 78-10-4 [TETRAETHYL ORTHOSILICATE]	5	44	Time Weighted Average (TWA):	Indicative	ECLTV
Tetraethyl orthosilicate 78-10-4	1,4	12	Exposure limit(s):	1	TRGS 900
Tetraethyl orthosilicate 78-10-4			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Titanium tetrabutanolate 5593-70-4	aqua (freshwater)		0,08 mg/l				
Titanium tetrabutanolate 5593-70-4	aqua (intermittent releases)		2,25 mg/l				
Titanium tetrabutanolate 5593-70-4	aqua (marine water)		0,008 mg/l				
Titanium tetrabutanolate 5593-70-4	sewage treatment plant (STP)		65 mg/l				
Titanium tetrabutanolate 5593-70-4	sediment (freshwater)				0,069 mg/kg		
Titanium tetrabutanolate 5593-70-4	sediment (marine water)				0,007 mg/kg		
Titanium tetrabutanolate 5593-70-4	Soil				0,017 mg/kg		
Titanium tetrabutanolate 5593-70-4	Predator						no potential for bioaccumulation

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Alkanes, C7-10-iso-90622-56-3	Workers	dermal	Long term exposure - systemic effects		773 mg/kg	
Alkanes, C7-10-iso-90622-56-3	Workers	inhalation	Long term exposure - systemic effects		2035 mg/m3	
Alkanes, C7-10-iso-90622-56-3	General population	dermal	Long term exposure - systemic effects		699 mg/kg	
Alkanes, C7-10-iso-90622-56-3	General population	inhalation	Long term exposure - systemic effects		608 mg/m3	
Alkanes, C7-10-iso-90622-56-3	General population	oral	Long term exposure - systemic effects		699 mg/kg	
Titanium tetrabutanolate 5593-70-4	General population	oral	Long term exposure - systemic effects		3,75 mg/kg	no potential for bioaccumulation
Titanium tetrabutanolate 5593-70-4	General population	dermal	Long term exposure - systemic effects		37,5 mg/kg	no potential for bioaccumulation
Titanium tetrabutanolate 5593-70-4	General population	inhalation	Long term exposure - systemic effects		152 mg/m3	no potential for bioaccumulation
Titanium tetrabutanolate 5593-70-4	Workers	inhalation	Long term exposure - systemic effects		127 mg/m3	no potential for bioaccumulation
tetraethyl silicate 78-10-4	Workers	Inhalation	Acute/short term exposure - systemic effects		44 mg/m3	
tetraethyl silicate 78-10-4	Workers	Inhalation	Acute/short term exposure - local effects		44 mg/m3	
tetraethyl silicate 78-10-4	Workers	dermal	Long term exposure - systemic effects		6,3 mg/kg	
tetraethyl silicate 78-10-4	Workers	Inhalation	Long term exposure - systemic effects		44 mg/m3	
tetraethyl silicate 78-10-4	Workers	Inhalation	Long term exposure - local effects		44 mg/m3	
tetraethyl silicate 78-10-4	General population	Inhalation	Acute/short term exposure - local effects		5,3 mg/m3	
tetraethyl silicate 78-10-4	General population	Inhalation	Acute/short term exposure - systemic effects		5,3 mg/m3	
tetraethyl silicate 78-10-4	General population	dermal	Long term exposure - systemic effects		1,8 mg/kg	
tetraethyl silicate 78-10-4	General population	Inhalation	Long term exposure - systemic effects		5,3 mg/m3	
tetraethyl silicate 78-10-4	General population	Inhalation	Long term exposure - local effects		5,3 mg/m3	

Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Combination filter: ABEKP (EN 14387)

This recommendation should be matched to local conditions.

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

material thickness > 0.2 mm

Perforation time > 10 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Delivery form	liquid
Colour	yellowish
Odor	slightly
Physical state	liquid
Melting point	Not applicable, Product is a liquid
Solidification temperature	-62 °C (-79.6 °F)
Initial boiling point	113 °C (235.4 °F)Supplier method
Flammability	Flammable liquid
Explosive limits	Currently under determination
Flash point	3 °C (37.4 °F); Supplier method
Auto-ignition temperature	380 °C (716 °F)
Decomposition temperature	Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use
pH	Not applicable, Product is non-soluble (in water).
Viscosity (kinematic) (25 °C (77 °F);)	1 mm ² /s ;,Supplier method
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure (20 °C (68 °F))	Mixture 20 hPa;Supplier method
Density (25 °C (77 °F))	0,75 g/cm ³ Supplier method
Relative vapour density: (20 °C)	< 1
Particle characteristics	Not applicable Product is a liquid

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Alkanes, C7-10-iso-90622-56-3	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Titanium tetrabutanolat 5593-70-4	LD50	3.122 mg/kg	rat	not specified
Titanium tetrabutanolat 5593-70-4	LD50	> 2.000 mg/kg	rat	OECD Guideline 423 (Acute Oral toxicity)
tetraethyl silicate 78-10-4	LD50	> 2.000 mg/kg	rat	OECD Guideline 423 (Acute Oral toxicity)
4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane 16068-37-4	LD50	161 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Alkanes, C7-10-iso-90622-56-3	LD50	> 2.200 mg/kg	rabbit	other guideline:
Titanium tetrabutanolat 5593-70-4	LD50	5.300 mg/kg	rabbit	not specified
4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane 16068-37-4	LD50	1.972 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.
In the event of protracted or repeated exposure, damage to health cannot be excluded.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Titanium tetrabutanolat 5593-70-4	LC50	11 mg/l	dust/mist	4 h	rat	not specified

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
tetraethyl silicate 78-10-4	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
4,4,7,7-tetraethoxy-3,8-dioxa-4,7-disiladecane 16068-37-4	not irritating	72 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
tetraethyl silicate 78-10-4	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
tetraethyl silicate 78-10-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		EU Method B.13/14 (Mutagenicity)

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure:

No data available.

Aspiration hazard:

The mixture is classified based on Viscosity data.

Hazardous substances CAS-No.	Viscosity (kinematic) Value	Temperature	Method	Remarks
Alkanes, C7-10-iso- 90622-56-3	0,5 mm ² /s	40 °C	not specified	

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information**General ecological information:**

Do not empty into drains, soil or bodies of water.

12.1. Toxicity**Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alkanes, C7-10-iso- 90622-56-3	LL50	18,4 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alkanes, C7-10-iso- 90622-56-3	NOELR	0,778 mg/l	28 d	Oncorhynchus mykiss	QSAR (Quantitative Structure Activity Relationship)
tetraethyl silicate 78-10-4	LC50	> 245 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
4,4,7,7-tetraethoxy-3,8-dioxa- 4,7-disiladecane 16068-37-4	LC50	16 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alkanes, C7-10-iso- 90622-56-3	EC50	2,4 mg/l	48 h	Daphnia magna	other guideline:
tetraethyl silicate 78-10-4	EC50	> 75 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alkanes, C7-10-iso- 90622-56-3	NOEC	0,17 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Alkanes, C7-10-iso- 90622-56-3	EL50	29 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Alkanes, C7-10-iso- 90622-56-3	NOELR	6,3 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Titanium tetrabutanolate 5593-70-4	EC50	225 mg/l	96 h	Algae, algal mat (Algae)	not specified
tetraethyl silicate 78-10-4	NOEC	22 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
tetraethyl silicate 78-10-4	EC50	> 22 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
tetraethyl silicate 78-10-4	EC50	> 100 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Alkanes, C7-10-iso- 90622-56-3	not readily biodegradable.	aerobic	22,4 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Titanium tetrabutanolate 5593-70-4	readily biodegradable	aerobic	> 60 %	28 d	OECD 301 A - F
tetraethyl silicate 78-10-4	readily biodegradable	aerobic	98 %	28 d	OECD Guideline 301 A (old version) (Ready Biodegradability: Modified AFNOR Test)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	LogPow	Temperature	Method
tetraethyl silicate 78-10-4	0,04		QSAR (Quantitative Structure Activity Relationship)

12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	PBT / vPvB
Alkanes, C7-10-iso- 90622-56-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Titanium tetrabutanolate 5593-70-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
tetraethyl silicate 78-10-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080409

SECTION 14: Transport information
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14.1. UN number or ID number

ADR	1139
RID	1139
ADN	1139
IMDG	1139
IATA	1139

14.2. UN proper shipping name

ADR	COATING SOLUTION
RID	COATING SOLUTION
ADN	COATING SOLUTION
IMDG	COATING SOLUTION (Isoalkane C7 - C10)
IATA	Coating solution

14.3. Transport hazard class(es)

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

14.4. Packing group

ADR	II
RID	II
ADN	II
IMDG	II
IATA	II

14.5. Environmental hazards

ADR	Environmentally Hazardous
RID	Environmentally Hazardous
ADN	Environmentally Hazardous
IMDG	Marine Pollutant
IATA	not applicable

14.6. Special precautions for user

ADR	Special provision 640D Tunnelcode: (D/E)
RID	Special provision 640D
ADN	Special provision 640D
IMDG	not applicable
IATA	not applicable

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

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV))
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 3

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

Further information:

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