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

1.1. Product identifier

Product Code QF114RN#
Product name DIC.PPS FZ-1140-R5
Pure substance/mixture mixture

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

Recommended Use Plastic molding compound

1.3. Details of the supplier of the safety data sheet

Manufacturer	Supplier / Importer
DIC Europe GmbH Austria Branch Vienna	DIC Europe GmbH
Plant Breitenleer Strasse 97-99, A-1220	Immermannstrasse 65D, D-40210 Düsseldorf, Germany
Vienna, Austria TEL: +43-1-734-0045-13	TEL: +49-211-1643-0 FAX: +49-211-1643-879 Emergency TEL: +49-211-1643-171
	e-mail:msds@dic-europe.de *Business hour only

For further information, please contact

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 3 - (H412)
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2.2. Label elements

Hazard statements

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

- P273 - Avoid release to the environment
- P314 - Get medical advice/attention if you feel unwell
- P404 - Store in a closed container
- P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Other hazards

- Harmful to aquatic life

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Hazards not otherwise classified (HNOC)

- Not Applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

Pure substance/mixture mixture

chemical name	EC No	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Poly(p-phenylenesulfide)		25212-74-2	55-65	No data available	
Glass fiber	266-046-0	65997-17-3	35-45	No data available	
Zinc compound	Listed	-	0.1-3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
Others		-	<1	No data available	

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- INHALATION** Remove to fresh air.
- Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

Symptoms None known.

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

Note to physicians Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Collect spillage.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

chemical name	ACGIH	European Union	United Kingdom	France	Germany
Zinc compound	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction			TWA: 5 mg/m ³ TWA: 10 mg/m ³	TWA: 0.1 mg/m ³ TWA: 2 mg/m ³ Ceiling / Peak: 0.4 mg/m ³ Ceiling / Peak: 4 mg/m ³
chemical name	Spain	Italy	Portugal	Netherlands	Finland
Glass fiber 65997-17-3			TWA: 1 fiber/cm ³ TWA: 5 mg/m ³		TWA: 5 mg/m ³ TWA: 1 fiber/cm ³
Zinc compound	STEL: 10 mg/m ³ TWA: 2 mg/m ³		STEL: 10 mg/m ³ TWA: 2 mg/m ³		TWA: 2 mg/m ³ STEL: 10 mg/m ³
chemical name	Denmark	Austria	Switzerland	Poland	Norway
Zinc compound	TWA: 4 mg/m ³	TWA: 5 mg/m ³	STEL: 4 mg/m ³ TWA: 0.1 mg/m ³ TWA: 2 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand protection

Gloves made of plastic or rubber.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid	Odor	odorless
Appearance	pellets	Odor Threshold	No data available
color	brown		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point/freezing point	280 °C / 536 °F	
Boiling point/boiling range	No data available	
flash point	Not flammable	
evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limits in Air		
Upper flammability limits	No data available	
Lower flammability limit	No data available	

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Vapor Pressure	No data available
vapor density	No data available
specific gravity	No data available
Solubility(ies)	Insoluble in water
Partition coefficient	No data available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

9.2. Other information

molecular weight	No data available
Explosive properties	No data available
Oxidizing properties	No data available
softening point	No data available
VOC Content (%)	No data available
density	1.67 g/cm3
bulk density	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity under the normal usage.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact none.
 Sensitivity to Static Discharge none.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
 None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

acute toxicity

Unknown Acute Toxicity 99.035% of the mixture consists of ingredient(s) of unknown toxicity.

LD/LC50 values that relevant for classification.

chemical name	Oral LD50	dermal LD50	Inhalation LC50
Zinc compound	> 5000 mg/kg (Rat)		

skin corrosion/irritation No data available.
 Serious eye damage/eye irritation No data available.
 sensitization No data available.
 germ cell mutagenicity No data available.
 carcinogenicity No data available.
 Reproductive Toxicity No data available.
 STOT - single exposure No data available.
 STOT - repeated exposure No data available.
 aspiration hazard No data available.

Information on likely routes of exposure

INHALATION No data available.
Eye Contact No data available.
Skin Contact No data available.
Ingestion No data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.
 99.335% of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Improper disposal or reuse of this container may be dangerous and illegal.

SECTION 14: Transport information

IMDG

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not Applicable
Environmental hazard	Not Applicable
14.6 Special Provisions	none

RID

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

ADR

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

IATA

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

ADN

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

SECTION 15: Regulatory information

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

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chemical name	French RG number	Title
Glass fiber 65997-17-3	RG 42	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

EINECS/ELINCS

Legend

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report

No data available

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH (American Conference of Governmental Industrial Hygienists)

Key literature references and sources for data

No information available

Authoring date

02-Jul-2015

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Reference

LOLI Database (ChemADVISOR,Inc.)

The reference on GHS classification results

EU CLP(1272/2008)Annex VI Table 3.1

Other information

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