

Safety data sheet

according to Regulation (EC) No. 1907/2006

Trade name: CONGuard® – thermoplastic compounds

Product no.:

Version: 5.0 / GB

Printed on: 01.10.2025

Specification no.:

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SECTION 1: Identification of the substance or mixture and of the company

1.1 Product identifier

Commercial Names and Product Numbers for CONGuard®

| | | |
|-------------------|----------------------|-------------------|
| I 4141 | S 6620 S LDD UV | S 6690 S |
| I 4400 | ECO 6625 | S 6810 S UV |
| I 4750 | S 6625 S | S 7410 S |
| I 6541 LDD TB | S 6625 S LDD UV | S 8541 S LDD |
| I 6541 LDD TB 1,4 | S 6628 UV | S 8541 LDD UV |
| S 6278 S LDD UV | S 6629 UV | S 8543 LDD UV |
| S 6542 | S 6635 SK N | S 8825 S LDD UV |
| S 6543 N RF UV | S 6640 K LDD | S 8830 |
| S 6543 N UV | S 6640 S LDD UV | S 8850 S LDD UV |
| S 6545 N | S 6640 S N | S 8851 S UV |
| S 6545-1 N RF | S 6645 LDD | S 8852 S UV |
| S 6610 | S 6650 MAA LDD NP | S 8860 S |
| S 6610 K LDD | S 6650 MAA LDD UV NP | S 8865 S LDD UV |
| S 6610 LDD UV | S 6650 MAA LDD UV | S 8875 |
| S 6610 SK LDD UV | S 6650 S LDD UV | S 8897 |
| S 6611 LDD UV | S 6655 | S 8950 S UV |
| S 6614 SK LDD UV | S 6660 | S 8950 N RF black |
| S 6615 LDD | S 6660-1 | |
| S 6615 LDD UV | S 6680 | |
| S 6615 S RF | S 6685 | |
| S 6619 S LDD UV | S 6690 K LDD | |
| S 6620 | S 6690 K LDD UV | |

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

Use of the substance/mixture : Polyethylene mixture for halogen-free cables, thermoplastic compound

For industrial use only. Not intended for sale to end consumers.

1.3 Details of supplier providing the safety data sheet

Supplier : **Condor Compounds GmbH**
Hansestrasse 68
38112 Braunschweig, Germany
Tel.: +49 531 21024-0
cc@condorcompounds.de

1.4 EMERGENCY NUMBER:

+49 531 21024-0

(This line is only manned during office hours)

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture according to regulation (EC) No 1272/2008

No hazardous substance or mixture.

2.2 Label elements

Labelling (Regulation (EC) 1272/2008))

No hazardous substance or mixture.

2.3 Other hazards

No further information available

SECTION 3: Information on ingredients

3.1 Substances

The product is a mixture.

3.2 Mixtures

The product is classified as a mixture. No harmful substances are contained that require disclosure.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|--------------------|--|
| General notes | : No special measures required |
| After inhalation | : After inhalation of disintegration products: immediately remove casualty to fresh air. If irritation occurs, consult a doctor. |
| After skin contact | : In the event of hot or molten material touching the skin, rinse immediately with plenty of water. Burns require medical attention. |
| After eye contact | : In case of contact with eyes, rinse immediately with plenty of water, in case of contact with hot or molten material, rinse with plenty of water and seek medical attention immediately. |
| After ingestion | : In case of ingestion, seek medical advice immediately and show this container or label. |

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4.2 Most important acute and delayed symptoms and effects

Symptoms : Inhalation of dust may irritate respiratory tract

After skin contact: Molten product may cause burns

After eye contact: in case of contact with hot or molten material, rinse with plenty of water and seek medical attention immediately

4.3 Information on immediate medical assistance or special treatment:

Treatment : Symptomatic treatment

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water mist
Foam
Carbon dioxide (CO₂)
Extinguishing powder

5.2 Special hazards arising from the substance or mixture

Special hazards in fire fighting : Release of carbon monoxide during thermal disintegration

5.3 Fire-fighting advice

Special protective equipment for fire-fighting : Wear self-contained breathing apparatus.

SECTION 6: Measures in case of accidental release

6.1 Personal and other precautions, protective equipment and emergency procedures

Personal safety precautions : Wearing of personal protective equipment: gloves for temperatures > 200°C, safety shoes, overalls.

6.2 Environmental protection:

Environmental protection measures : Do not allow to enter the environment. Avoid contamination of water.

6.3 Methods and materials for containment and cleaning

Cleaning procedures : Take up mechanically and dispose of in accordance with regulations. Caution: Granules on the ground can be slippery.

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6.4 Reference to other sections

For personal protective equipment, see Section 8, for disposal instructions, see Section 13.

SECTION 7: Handling and storage

This material contains synthetic polymer microparticles (SPM) as defined in Commission Regulation (EU) 2023/2055. Identify potential sources of SPM emissions during the handling, use, transport, and disposal of this material. Do not release directly into wastewater, air, soil, or bodies of water. For instructions on waste handling, see Section 13.

7.1 Precautions for safe handling

Notes on safe handling : Strong overheating of the material may result in gaseous disintegration products. Ensure good ventilation and air extraction at the workplace. Use of an effective exhaust system at the extruder head.

Notes on fire and explosion protection : Avoid electrostatic charge and take appropriate measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool and dry place; seal packaging tightly. Protect from moisture and direct sunlight. Keep and store only in original packaging. Prevent small spills and leaks to avoid the risk of slipping.

7.3 Specific end uses

Intended use(s) : Material for the production of cables and wires

For industrial use only. Not intended for sale to end consumers.

SECTION 8: Limitation and control of exposure/Personal protective equipment

Limitation and monitoring of environmental exposure See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

8.1 Parameters to be monitored

No limits from risk exposures are exceeded.

8.2 Limitation and control of exposure

Technical protection measures : Avoid dust formation. Provide adequate ventilation.

Personal protective equipment while working with the material

Hand protection : Protective gloves for temperatures > 200°C when handling molten material.

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10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

Hazardous reactions : None known

10.4 Conditions to avoid:

Conditions to avoid : Avoid heating above 200°C.

10.5 Materials to avoid:

Materials to avoid : Strong oxidising agents, strong reducing agents, strong acids and alkalis

10.6 Disintegration products:

Heat treatment : In the event of thermal disintegration or in the event of fire, the following are possible: water vapour, carbon dioxide, carbon monoxide and oxides of nitrogen.

SECTION 11: Toxicological information

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

Product

Acute oral toxicity : no known effect

Acute toxicity when inhaled : no known effect

Acute dermal toxicity : no known effect

Irritating effect on the skin : no known effect

Serious eye damage or eye irritation : no known effect

Sensitisation of respiratory tract and skin : no known effect

Specific target organ toxicity in case of repeated exposure : not classified

Germ cell mutagenity : no known effect

Carcinogenicity : no known effect

Reproductive toxicity : no known effect

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specific target organ toxicity in case of single exposure : not classified

Specific target organ toxicity in case of repeated exposure : not classified

Aspiration hazard : no known effect

Notes : The product has not been subjected to a separate examination. The statement is derived from the specifications of the individual components. Additives are bound in the polymer matrix and are not freely available.

11.2 Information on other hazards

No known effect

SECTION 12: Environmental information

12.1 Toxicity

Acute aquatic toxicity : not classified

Chronic aquatic toxicity : not classified

12.2 Degradability and persistence

Material is inert and not degradable

12.3 Bioaccumulation potential

No information available

12.4 Mobility in the soil

No information available

12.5 Results of PBT and vPvB assessment

no information available

12.6 Endocrine disrupting properties

no information available

12.7 Other adverse effects

no information available

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SECTION 13: Disposal instructions

Avoid release into the environment. Prevent the spread and runoff of released material as well as contact with soil, waterways, drains, and sewers. Dispose of contents and container in accordance with all local, regional, national, and international regulations. Contact an authorized waste disposal contractor. Empty containers may be recycled in accordance with national regulations.

SECTION 14: Transport information

This product is not classified as dangerous of transport.

14.1 UN number:

Not classified as dangerous goods

14.2 Proper UN shipping designation:

Not classified as dangerous goods

14.3 Transport hazard class:

Not classified as dangerous goods

14.4 Packaging group:

Not classified as dangerous goods

14.5 Environmental hazards

Not classified as dangerous goods

14.6 Special precautions for user

Land transport (ADR/RID) : no dangerous goods

Sea transport (IMDG code) : no dangerous goods

14.7 Transport in bulk as per Annex II of the MARPOL Convention and as per IBC Code

not applicable

SECTION 15: Regulations

15.1 Regulations on safety, health and environmental protection/specific legislation for the substance and mixture

EU guidelines : Regulation (EU) No 2023/2055
Regulation (EU) No. 2020/878
Regulation (EC) No 1272/2008
Regulation (EC) No 1907/2006
Regulation (EU) No 453/2010

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Water hazard class (Germany) : Not hazardous to water

National regulations : No information available

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Concentration of synthetic polymer microparticles in the substance or mixture : 20-40 %

General information on the identity of the polymers contained in the substance or mixture : Polymers of ethylene

15.2 Chemical safety assessment

A chemical safety assessment has not been performed.

Instructions on use and disposal explaining to industrial downstream users how to prevent the release of synthetic polymer microparticles into the environment can be found in Sections 6, 7, and 13.

SECTION 16: Other information

Full text of other acronyms

ACGIH : American Conference of Governmental Industrial Hygienists

ADR : European Agreement concerning the International Carriage of Dangerous Goods

CAS No. : Index number of Chemical Abstracts Service

EC number : Regulatory category of the European chemicals law (REACH regulation)

IBC code : International code for the carriage of chemicals in bulk

IMDG code : International code for the carriage of dangerous goods by seagoing vessels

MARPOL : International Convention for the Prevention of Marine Pollution from Ships

OSHA : Occupational Safety and Health Administration (US)

PBT : Persistent substance, bioaccumulative and toxic

REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

