

# Material Safety Data Sheet

## 1. PRODUCT NAME:

**DualProof**

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## 2. HAZARD IDENTIFICATION

The mixture if not classified as hazardous in accordance with regulation (EC) No. 1272/2009

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## 3. COMPOSITION

The components are not hazardous or are below required disclosure limits.

Product does not contain listed SVHC substance >0.1% according to regulations (EC) No. 1907/2006 Article 59 (REACH).

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## 4. FIRST AID

### CONTACT WITH SKIN:

Wash with plenty of soap and water. If irritation persists, obtain medical advice.

After contact with molten product, cool skin area rapidly with cold water. Do not peel solidified product off the skin. Burns caused by molten material must be treated clinically.

### CONTACT WITH EYES:

Wash out with water for several minutes and seek medical advice.

### INGESTION:

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting.

### INHALATION:

Remove casualty to fresh air and keep at rest. If symptoms persist, seek medical advice.

### OTHER INFORMATION:

Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

### SUITABLE EXTINGUISHING MEDIA:

Carbon dioxide (co2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

### UNSUITABLE EXTINGUISHING MEDIA:

High power water jet.

### SPECIAL PROTECTIVE EQUIPMENT:

Wear a self-contained breathing apparatus and chemical protective clothing.

### ADDITIONAL INFORMATION:

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Co-ordinate fire-fighting measures to the fire surroundings.

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## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS:

Avoid dust formations. Do not breath dust. Wear personal protection equipment (refer to section 8)

### ENVIRONMENTAL PRECAUTIONS:

Discharge into the environment must be avoided.

### CLEAN-UP PROCEDURES:

Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

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## 7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:	Wear personal protection equipment (refer to section 8). Ensure adequate ventilation in work areas. Keep away from sources of ignition – No smoking.
STORAGE INFORMATION:	Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated. Keep packing dry and well-sealed to prevent contamination and absorption of humidity.
DO NOT STORE TOGETHER WITH:	Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feeding stuff.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS	Additional advice on limit values - Air limit values: (PVC (Polyvinyl chloride). Germany; DFG) 1,5 mg/m <sup>3</sup> ; E: Inhalable Dust fraction
EXPOSURE CONTROLS:	<b>Appropriate engineering controls</b> Dust should be exhausted directly at the point of origin. <b>Protective and hygiene measures</b> Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. <b>Eye/face protection</b> - Dust protection goggles. <b>Hand protection</b> Wear suitable gloves. Fibers that are processed at high speeds may cause abrasions or cuts. <b>Skin protection</b> Suitable protective clothing: Protective clothing. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. <b>Respiratory protection</b> With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: -Generation/formation of dust
EXCEEDING EXPOSURE LIMIT VALUES:	Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type P1-3 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used! Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo. Full-face mask or mouthpiece with particulate filter: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 15 times the exposure limit. P3 filter: up to a max. of
ENVIRONMENTAL EXPOSURE CONTROLS:	<i>No special precautionary measures are necessary.</i>

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent & White	Oxidising Properties	None
Odour	Characteristic	Vapour Pressure	Not Determined
pH	Not Determined	Relative density	Not Determined
Boiling Point	Not Determined	Bulk density	Not Determined
Melting Point	Not Determined	Viscosity	Not Determined
Flash Point	Not Determined	Solubility	Not Determined
Autoignition temperature	No data	Partition Coefficient	Not Determined
Explosive properties	Upper explosion limit - N	Other data	

## 10. STABILITY/REACTIVITY

REACTIVITY:	No information available.
CHEMICAL STABILITY	The product is chemically stable under recommended conditions of storage, use and temperature.
POSSIBILITY OF HAZARDOUS REACTIONS:	Temperature of decomposition in °C: >200 °C; Decomposition under formation of: Hydrogen chloride (HCl).
CONDITIONS TO AVOID:	Protect against: UV-radiation/sunlight. heat.
INCOMPATIBLE MATERIALS:	Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong alkali. Strong acid.
HAZARDOUS DECOMPOSITION PRODUCTS:	Can be released in case of fire: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide Hydrogen chloride (HCl). Dioxane. Furane.

## 11. TOXICOLOGICAL INFORMATION

TOXICOCINETICS, METABOLISM AND DISTRIBUTION:	No data available.
ACUTE TOXICITY:	Based on available data, the classification criteria are not met.
IRRITATION AND CORROSIVITY:	Based on available data, the classification criteria are not met.
SENSITISING EFFECTS:	Based on available data, the classification criteria are not met.
CARCINOGENIC/MUTAGENIC/ TOXIC EFFECTS FOR REPRODUCTION:	Based on available data, the classification criteria are not met.

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## 11. TOXICOLOGICAL INFORMATION.... continued

STOT-SINGLE EXPOSURE:	Based on available data, the classification criteria are not met.
STOT-REPEATED EXPOSURE:	Based on available data, the classification criteria are not met.
ASPIRATION HAZARD:	Based on available data, the classification criteria are not met.

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## 12. ECOLOGICAL INFORMATION

TOXICITY:	The product has not been tested.
PERSISTENCE AND DEGRADABILITY:	The product has not been tested.
BIOACCUMULATIVE POTENTIAL:	No indication of bioaccumulation potential.
MOBILITY IN SOIL:	No data available.
RESULTS OF PBT & VPVB ASSESSMENT:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
OTHER ADVERSE EFFECTS:	No data available.
FURTHER INFORMATION:	Do not allow to enter into surface water or drains.

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## 13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL:	Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to EAKV:
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### WASTE DISPOSAL NUMBER OF WASTE FROM RESIDUES/UNUSED PRODUCTS

160306	<i>WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05</i>
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### WASTE DISPOSAL NUMBER OF USED PRODUCT

160306	<i>WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05</i>
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### WASTE DISPOSAL NUMBER OF CONTAMINATED PACKAGING

150106	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging
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CONTAMINATED PACKAGING:	Handle contaminated packages in the same way as the substance itself.
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## 14. TRANSPORT INFORMATION

### LAND TRANSPORT (ADR/RID)

UN NUMBER: No dangerous good in sense of this transport regulation.  
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.  
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.  
PACKING GROUP: No dangerous good in sense of this transport regulation.

### INLAND WATERWAYS TRANSPORT (ADN)

UN NUMBER: No dangerous good in sense of this transport regulation.  
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.  
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.  
PACKING GROUP: No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

UN NUMBER: No dangerous good in sense of this transport regulation.  
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.  
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.  
PACKING GROUP: No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

UN NUMBER: No dangerous good in sense of this transport regulation.  
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.  
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.  
PACKING GROUP: No dangerous good in sense of this transport regulation.

### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No.  
SPECIAL PRECAUTIONS FOR USER: refer to chapter 6-8

### TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBCCODE

Not relevant.

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## 15. REGULATORY INFORMATION

### Safety, health & environmental regulations/legislation specific for the substance or mixture

#### EU REGULATORY INFORMATION

2010/75/EU (VOC): No information available  
2004/42/EC (VOC): No information available  
Information according to 2012/18/EU: Not subject to 212/18/EU (SEVESO III)  
(SEVESO III):

#### Additional Information

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII: Not relevant

#### National regulatory information

WATER CONTAMINATING CLASS (D): -- Not water contaminating

#### Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## 16. OTHER INFORMATION

### Abbreviations and acronyms

*ADR: Accord européen sur le transport des marchandises dangereuses par Route CAS*

*Chemical Abstracts Service*

*DNEL: Derived No Effect Level*

*IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organization*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)*

*GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV:*

*Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)*

*LOAEL: Lowest observed adverse effect level*

*LOAEC: Lowest observed adverse effect concentration*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*NOAEL: No observed adverse effect*

*level NOAEC: No observed adverse*

*effect level NTP: National Toxicology*

*Program*

*N/A: not applicable*

*OSHA: Occupational Safety and Health Administration*

*PNEC: predicted no effect concentration*

*PBT: Persistent bioaccumulative toxic*

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )*

*SARA: Superfund Amendments and Reauthorization*

*Act SVHC: substance of very high concern*

*TRGS Technische Regeln für*

*Gefahrstoffe TSCA: Toxic Substances*

*Control Act VOC: Volatile Organic*

*Compounds*

*VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe*

*WGK: Wassergefährdungsklasse*

### Further Information

*Classification according EC regulation 1272/2008 (CLP): - Classification procedure:*

*Health hazards: Calculation method.*

*Environmental hazards: Calculation method.*

*Physical hazards: On basis of test data. and / or calculated and / or estimated.*

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*