



Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 1/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

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

1.1. Product identifier:

#### **DSX Intumescent filler**

UFI: CNU6-TFKS-C427-43AK

Article number / Type: 7202300 / DSX-K

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

Relevant identified uses: fire protection mass for indoor use. Use by professional workers.

Consumer use.

Uses advised against: application other than the above.

1.3. Details of the supplier of the safety data sheet:

Distributor Details:

OBO Bettermann Produktion Deutschland GmbH & Co. KG

Hüingser Ring 52, 58710 Menden (Sauerland), Germany

Tel.: +49 2373 890 Fax: +49 2373 89238 E-mail: info@obo.de Responsible for SDS:

OBO Bettermann Produktion Deutschland GmbH & Co. KG

Hüingser Ring 52, 58710 Menden (Sauerland), Germany

Tel.: +49 2373 890 Fax: +49 2373 89238 E-mail: info@obo.de

1.4. Emergency telephone number

National Poisons Information Centre in Ireland:

Tel.: 01 809 2166 (between 8am and 10pm for members of the public)

Tel: 01 809 2566 (Professionals, 24/7)

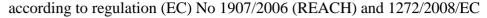
### **SECTION 2:** Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Carc. 2 H351 Suspected of causing cancer. Repr. 2 H361f Suspected of damaging fertility.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 2/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

2.2. Label elements

Product identification: Trade name: Insulation layer creator in a cartridge

Hazardous components: Melamine

GHS Pictogram:

Signal word: Warning

Hazard statement:

H351 Suspected of causing cancer.H361f Suspected of damaging fertility.

**H412** Harmful to aquatic life with long lasting effects.

Supplemental hazard information:

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-

methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

**EUH211** Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Precautionary statements – General:

**P101** If medical advice is needed, have product container or label at hand.

Precautionary statements – Prevention:

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection.

Precautionary statements – Response:

**P308** + **P313** IF exposed or concerned: Get medical advice/attention.

Precautionary statements – Storage: **P405** Store locked up.

Precautionary statements – Disposal:

**P501** Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile Warning and child-resistant fastening: required for retail distribution.

Transport classification: see section 14.



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 3/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

### 2.3. Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The product contains a substance with endocrine-disrupting properties (Triphenyl phosphate, CAS: 115-86-6). Endocrine-disrupting properties (Article 57(f) - environment)

# **SECTION 3:** Composition/information on ingredients

### 3.2. Mixtures

Chemical description: Mixtures of the following substances and non-hazardous substances.

Component(s) / Hazardous component(s):

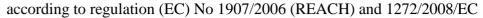
Name	EC	CAS	Hazard classes and	Hazard	Conc.
Name	number	number	cat.	statements	% (m/m)
Melamine*	203-615-4	108-78-1	Carc. 2	H351	$\geq 5 - < 10$
(SVHC candidate list)			Repr. 2	H361f	
REACH Registr. Nr.:			STOT RE 2	H373	
no data					
Titanium dioxide; [in	236-675-5	13463-67-7	Carc. 2	H351	$\geq 5 - < 10$
powder form containing 1 %			(Note V., W., 10.)	(inhalation)	
or more of particles with					
aerodynamic diameter ≤ 10					
μm]					
REACH Registr. Nr.:					
01-2119489379- 17					
Triphenyl phosphate	204-112-2	115-86-6	Aquatic Acute 1	H400 (M=1)	$\geq 0.1 - < 1.0$
REACH Registr. Nr.:			Aquatic Chronic 1	H410 (M=1)	
no data					
reaction mass of 5-chloro-2-	611-341-5	55965-84-9	Acute Tox. 3	H301	< 0.001
methyl-2H-isothiazol-3-one			Acute Tox. 2	H310	
and 2-methyl-2H-isothiazol-			Skin Corr. 1C	H314	
3-one (3:1)**			Skin Sens. 1A	H317	
REACH Registr. Nr.:			Eye Dam. 1	H318	
01-2120764691-48			Acute Tox. 2	H330	
			Aquatic Acute 1	H400 (M=100)	
			Aquatic Chronic 1	H410 (M=100)	
				EUH071	

<sup>\*</sup> SVHC candidate list

Skin Corr. 1C; H314:  $C \ge 0.6$  %; Skin Irrit. 2; H315: 0.06 %  $\le C < 0.6$  %; Eye Dam. 1; H318:  $C \ge 0.6$  %; Eye Irrit. 2; H319: 0.06 %  $\le C < 0.6$  %;

Skin Sens. 1A; H317:  $C \ge 0.0015 \%$ 

<sup>\*\*</sup> Specific concentration limit:





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 4/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

Note V: If the substance is to be placed on the market as fibres (with diameter  $< 3 \mu m$ , length  $> 5 \mu m$  and aspect ratio  $\ge 3:1$ ) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.'

Note W: 'It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq$  10  $\mu$ m.

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

### **SECTION 4:** First aid measures

4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never

induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain

medical attention.

Skin contact: Wash skin with large amounts of water, use soap. In case of persistent irritation,

get medical attention.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. In case of persistent

irritation, get medical attention.

Ingestion: DO NOT induce vomiting. Get prompt medical attention.

Protection of first-aid person: No data.

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

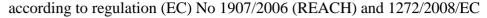
Suspected of causing cancer.

Suspected of damaging fertility.

May produce an allergic reaction.

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

Symptomatic treatment.





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 5/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

# **SECTION 5:** Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder, water spray.

Unsuitable extinguishing media:

According to the burning environment.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide and other toxic fumes / gases can be formed.

## 5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

#### Further information:

In case of fire, keep containers cool with water spray.

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

### **SECTION 6:** Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Keep persons not involved in rescue at a distance.

Sufficient ventilation should be provided.

Avoid contact with skin, clothing and eyes, inhalation of vapours.

### 6.2. Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority.

6.3. Methods and material for containment and cleaning up

On soil: Recover free liquid by pumping. Contain the rest or small quantities with

non-combustible liquid-absorbent material (sand, other inert liquid binder). Place in properly labelled closed container. Dispose of according to local

regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable

absorbents. Notify local authorities according to regulations.



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 6/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

#### 6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

# **SECTION 7:** Handling and storage

# 7.1. Precautions for safe handling

Keep general measures applied for normal operations with chemicals and flammable liquids.

Adequate ventilation must be provided.

Avoid contact with skin and eyes. Avoid prolonged breathing of vapours.

An eyewash station should be available at the work site.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: no data.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids.

Store in dry, cool well-ventilated place in original, closed containers. Keep away from direct sunshine, direct heat or ignition sources.

Keep away from food, drink and feed.

Keep out of reach of children.

Storage temperature: protect from frost.

### 7.3. Specific end use(s)

Fire protection mass for indoor use.

### **SECTION 8:** Exposure controls / personal protection

## 8.1. Control parameters:

		Occupational		Occupational		Notes
Substance	CAS number	Exposure Limit		Exposure Limit		
		Value (8-hour		Value (15-minute		
		reference period)		reference period)		
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Titanium dioxide total inhalable dust	13463-67-7	-	10	-	-	-
Titanium dioxide respirable dust	13463-67-7	-	4	-	-	-

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 7/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

# 8.2. Exposure controls

Engineering control measures:

Adequate ventilation (general or local exhaust).

Personal protection:

(a) Eye/face protection Tightly fitting safety goggles (EN 166).

(b) Skin protection

(i) Hand protection Chemical resistant gloves (EN 374).

Material: butyl rubber, chloroprene rubber (CR), nitrile rubber

(NBR)

Breakthrough time: >480 min. Layer thickness: ≥0,4 mm. Note: Manufacturer's directions for use and the conditions of

application should be observed.

(ii) Other Protective clothing.

(c) Respiratory protection Under normal conditions not required. In case of exceeded

exposure-limits respiratory protection with particle-filter is

recommended (filter type A2-P2).

(d) Thermal hazards No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

a) Physical state: viscous liquid

b) Colour: white
c) Odour: odourless
d) Melting point/freezing point (Pour point): not available

e) Boiling point or initial boiling point and boiling range:  $\approx 100^{\circ}$ C

f) Flammability: not combustible

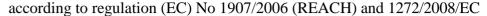
g) Lower and upper explosion limit: not explosive

h) Flash point: not applicable

i) Auto-ignition temperature: not applicable
 j) Decomposition temperature: not available

k) pH (solution in 10% water):
 l) Kinematic viscosity

at 40°C: not available at 100°C: not available





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 8/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

m) Solubility

Solubility in water: soluble

Solubility in other solvents: not available n) Partition coefficient n-octanol/water (log value): not available

o) Vapour pressure at 20°C: not available

p) Density and/or relative density at 20°C: 1.200 – 1.385 g/cm<sup>3</sup>

q) Relative vapour density: not availabler) Particle characteristics: not available

9.2. Other information

Oxidizing properties: not oxidize VOC: <10%

### **SECTION 10:** Stability and reactivity

10.1. Reactivity Dangerous reactivity not known.

10.2. Chemical stability No decomposition if stored and handled properly.

10.3. Possibility of hazardous reactions Not known.

10.4. Conditions to avoid Heat, direct sunlight, frost. 10.5. Incompatible materials Strong acids. Strong bases.

10.6. Hazardous decomposition products No dangerous decomposition products are formed under

normal conditions. Hazardous combustion products: See

Section 5.

# **SECTION 11:** Toxicological information

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

Acute toxicity: Based on available data, the classification criteria are not met.

#### Components:

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS: 55965-84-9)

Titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq$  10  $\mu$ m] (CAS: 13463-67-7)

Oral:  $LD_{50}$  (rat) > 5000 mg/kg (OECD 425)

(EPA OPPTS 870.1100)

Oral:  $LD_{50}$  (rat) 5000 mg/kg

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 9/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

Melamine (108-78-1)

Oral:  $LD_{50}$  (rat) 3828 mg/kg Dermal:  $LD_{50}$  3161 mg/kg

Inhalation:  $LC_{50}$  (rat) > 5.19 mg/L (OECD 403)

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.

Carcinogenicity: Suspected of causing cancer. Reproductive toxicity: Suspected of damaging fertility.

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.

11.2. Information on other hazards

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

# **SECTION 12:** Ecological information

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Components:

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS: 55965-84-9)

Fish (Oncorhynchus mykiss): LC<sub>50</sub> 0.19 mg/L Fish (Lepomis macrochirus): LC<sub>50</sub> 0.28 mg/L

Daphnia (Dapnia magna): EC<sub>50</sub> 4.71 mg/L (OECD 202)

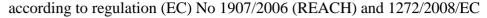
Daphnia (Dapnia magna): NOEC 0.1 mg/L 21 days

Fish (Oncorhynchus mykiss): NOEC 0.098 mg/L 28 days (OECD 215)

Titanium dioxide; [at least 1 % in the form of a powder containing particles with an aerodynamic diameter of not more than 10  $\mu$ m] (CAS: 13463-67-7)

*Melamine* (108-78-1)

Fish (Oncorhynchus mykiss):  $LC_{50}$  > 3000 mg/L Daphnia (Dapnia magna):  $EC_{50}$  200 mg/L Algae (Pseudokirchneriella subcapitata):  $EC_{50}$  325 mg/L 96 h Daphnia (Dapnia magna, chronic): LOEC > 11 mg/L 21 days





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 10/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

Daphnia (Dapnia magna, chronic): NOEC  $\geq 11$  mg/L 21 days Fish (Pimephales promelas, chronic): NOEC  $\geq 5.1$  mg/L 36 days

12.2. Persistence and degradability
12.3. Bioaccumulative potential
12.4. Mobility in soil
No data available.
No data available.

12.5. Results of PBT and vPvB assessment Does not contain PBT and vPvB substances, at a

concentration of 0.1% or more.

12.6. Endocrine disrupting properties

The product contains a substance with endocrine-

disrupting properties (Triphenyl phosphate, CAS: 115-86-6). Endocrine-disrupting properties (Article

57(f) - environment)

12.7. Other adverse effects

Water hazard class (German): WGK 2 (Classification by AwSV)

# **SECTION 13:** Disposal considerations

### 13.1. Waste treatment methods

### Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 08 01 19\*

Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances.

Waste Identification Code: 08 04 09\*

Waste adhesives and sealants containing organic solvents or other dangerous substances.

Disposal must be in compliance with national and local regulations.

# Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10\*

Packaging containing residues of or contaminated by dangerous substances

Disposal must be in compliance with national and local regulations.

#### Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.





Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 11/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

# **SECTION 14:** Transport information

Land transport:

Road/ Railway ADR/RID: Not classified.

14.1. UN number or ID number:

Not classified.

14.2. UN proper shipping name:
14.3. Transport hazard class(es):
14.4. Packing group:
Not classified.
Not classified.
Not classified.

14.4. Packing group: Not classified.
14.5. Environmental hazards: Not classified.
14.6. Special precautions for user: Not classified.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Waterways:

Inland waterways/ Sea transport ADN/IMDG: Not apply to the product.

Air transport: ICAO / IATA: Not apply to the product.

### **SECTION 15:** Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.

Seveso category: not classified.

The product contains SVHC substance: Melamine (CAS: 108-78-1)

15.2. Chemical safety assessment.

not available

### **SECTION 16:** Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 12/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

Classification for mixtures and used evaluation method according to regulation (EC)

1272/2008 (CLP)

Carc. 2 H351 calculation method Repr. 2 H361f calculation method Aquatic Chronic 3 H412 calculation method

The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:

H301	Toxic if swallowed.		
H310	Fatal in contact with skin.		

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H351 Suspected of causing cancer.H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure

through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Acute Tox. 3 Acute toxicity Category 3 Acute Tox. 2 Acute toxicity Category 2

Skin Corr. 1C Skin corrosion/irritation Category 1C Skin Irrit. 2 Skin corrosion/irritation Category 2

Skin Sens. 1A Respiratory/skin sensitization Category 1A
Eye Dam. 1 Serious eye damage/eye irritation Category 1
Eye Irrit. 2 Serious eye damage/eye irritation Category 2

Carc. 2 Carcinogenicity Category 2 Repr. 2 Reproductive toxicity Category 2

STOT RE 2 Specific target organ toxicity – repeated exposure Category 2
Aquatic Acute 1 Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, Chronic Category 1



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 13/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

Legend:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland

Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE Acute Toxicity Estimate
BCF Bioconcentration Factor
BOD Biological Oxygen Demand

Bw Body Weight

C&L Classification and Labelling CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

CMR Carcinogenic, Mutagenic or toxic to Reproduction

COD Chemical Oxygen Demand
CSA Chemical Safety Assessment
CSR Chemical Safety Report
DMEL Derived Minimal Effect Level
DNEL Derived No Effect Level
ECHA European Chemicals Agency
Ecx Effective Concentration x%

ErC50 EC50 in terms of reduction of growth rate

Edx Effective Dose x% EC European Community

EC number European Community number

ELINCS European List of Notified Chemical Substances

ES Exposure Scenario

IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods

LCx Lethal Concentration x%

LDx Lethal Dose x%

LOAEC Lowest Observed Adverse Effect Concentration

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level NOEC No observed effect concentration

NOEL No observed effect level NLP No-Longer Polymer

NOAEL No Observed Adverse Effect Level

OECD Organisation for Economic Cooperation and Development

PBT Persistent Bioaccumulative and Toxic
PNEC Predicted No-Effect Concentration

ppm parts/million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **DSX Intumescent filler** 

Version: 2 Date of issue/Latest revision: Date of issue: 08. 06. 2023 Page: 14/(14)

(Manufacturer) - / 21. 03. 2023 Date of revision: 08. 07. 2024

RID Regulations concerning the International carriage of Dangerous Goods by Rail

SVHC Substance of Very High Concern

UVCB substance of unknown or variable composition, complex reaction products or biological

materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bio-accumulative

# **Revision Indicators:**

Section	Subject of change	Date	Version
2.3., 11.2.,		08. 07. 2024	2
12.6.	Endocrine disrupting properties		
3.2.	Composition/information on ingredients		