SAFETY DATA SHEET

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

Trade name: **DSX Intumescent filler**

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

1.1. Product identifier:

DSX Intumescent filler
UFI: 3QU6-AF95-N42Q-TEWN
Article number / Type: 7202302 / DSX-E

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.

2.2. Label elements

Product identification: Trade name: **DSX-E Insulation laxer creator in a bucket**

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: required for retail distribution.
Child-resistant fastening: not required
Transport classification: see section 14.

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 number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Melamine* REACH Registr. Nr.: no data	203-615-4	108-78-1	Carc. 2 Repr. 2 STOT RE 2	H351 H361f H373	≥ 5 – <10
Titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] REACH Registr. Nr.: 01-2119489379- 17	236-675-5	13463-67-7	Carc. 2 (Note V., W., 10.)	H351 (inhalation)	≥ 5 – <10
Triphenyl phosphate REACH Registr. Nr.: no data	204-112-2	115-86-6	Aquatic Acute 1 Aquatic Chronic 1	H400 (M=1) H410 (M=1)	≥ 0,1 – <1,0
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)** REACH Registr. Nr.: 01-2120764691-48	611-341-5	55965-84-9	Acute Tox. 3 Acute Tox. 2 Skin Corr. 1C Skin Sens. 1A Eye Dam. 1 Acute Tox. 2 Aquatic Acute 1 Aquatic Chronic 1	H301 H310 H314 H317 H318 H330 H400 (M=100) H410 (M=100) EUH071	<0,001

* SVHC candidate list

****** Specific concentration limit:
Skin Corr. 1C; H314: C ≥ 0,6 %; Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 %;
Eye Dam. 1; H318: C ≥ 0,6 %; Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 %;
Skin Sens. 1A; H317: C ≥ 0,0015 %

Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 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 ≤ 10 µm.

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.

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 firefighting 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.

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 liquid chemicals.
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 liquid chemicals
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:

No applicable occupational exposure limits.

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 A-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 fluid
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:	≈ 100°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):	8.0 – 8.8
l)	Kinematic viscosity	
	at 40°C:	not available
	at 100°C:	not available
m)	Solubility	
	Solubility in water:	miscible
	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/cm³
q)	Relative vapour density:	not available
r)	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)

Oral:	LD_{50} (rat)	66	mg/kg (OECD 401)
Dermal:	LD_{50} (rat)	> 1008	mg/kg (OECD 402)
Inhalation:	LC_{50} (rat)	2.36	mg/L/ 4 h (OECD 403)

Titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS: 13463-67-7)

Oral:	LD_{50} (rat)	> 5000	mg/kg (OECD 425) (EPA OPPTS 870.1100)
Oral:	LD_{50} (rat)	5000	mg/kg

Melamine (CAS: 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.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	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_{50}	0.19	mg/L	
Fish (Lepomis macrochirus):	LC_{50}	0.28	mg/L	
Daphnia (Dapnia magna):	EC_{50}	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; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (CAS: 13463-67-7)

Other aquatic organisms:	EC_{50}	> 100	mg/L	96 h
Algae (Pseudokirchneriella subcapitata):	EC_{50}	> 100	mg/L	72 h
Daphnia (Dapnia magna):	LOEC	5	mg/L	21 days

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

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	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.

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:		Not classified.
14.3. Transport hazard class(es):		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.

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

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

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., 12.6.	Endocrine disrupting properties	08. 07. 2024	2
3.2.	Composition/information on ingredients		