Product Bloxx-It.

Revision date 20 October 2021

Revision 3



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name **Bloxx-It**

Other means of identification UFI: DV9X-8EET-9208-2C82

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

Identified uses Paint or paint related material. Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier FSW Coatings Ltd

> Virginia Co Cavan Ireland

Tel: 353 49854 7209

Contact person info@fsw.ie

1.4 Emergency telephone number

Emergency telephone

+ 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)

National emergency telephone

number

Outside those hours, contact National Poisons Information Centre, Beaumont Hospital. Members of Public: +353 (1) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare

Professionals: +353 (1) 809 2566 (24 hour service)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Flam. Liq 3- H226 Physical and chemical hazards Human health STOT SE 3 - H336 Environment Not classified

2.2 Label elements

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics **Contains**

nonane octane

Label in accordance with (EC) no. 1272/2008



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements Prevention

P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.

P233 Keep container tightly closed.

P271 Use only outdoors or in a well-ventilated area.

Response

P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

EUH statements

EUH208 Contains Cobalt bis(2-ethylhexanoate). May produce an allergic reaction. EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

None known.

Section 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-XXXX	Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	20-30%
titanium dioxide	CAS-No.: 13463-67-7 EC No.: 236-675-5 REACH Reg No.: 01-2119489379-17-XXXX		10-20%
Talc (Mg3H2(SiO3)4)	CAS-No.: 14807-96-6 EC No.: 238-877-9		1-5%
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9 EC No.: 245-018-1	Repr. 2 - H361d	0.1-0.9%
Cobalt bis(2-ethylhexanoate)	CAS-No.: 136-52-7 EC No.: 205-250-6 REACH Reg No.: 01-2119524678-29-XXXX	Eye Irrit.2A - H319, Skin. Sens 1 A- H317, Repr. 1B- H360, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	<0.1%
nonane	CAS-No.: 111-84-2 EC No.: 203-913-4	Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	<0.1%
propionic acid	CAS-No.: 79-09-4 EC No.: 201-176-3	Skin Corr. 1B - H314	<0.1%
octane	CAS-No.: 111-65-9 EC No.: 203-892-1	Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 2- H225, STOT SE 3 - H336	<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Proprionic Acid: Specific Concentration Limits - Eye Irrit. 2; H319: 10 % <= C < 25 %, STOT SE 3; H335: C >= 10 %, Skin Corr. 1B; H314: C >= 25 %, Skin Irrit. 2; H315: 10 % <= C < 25 %.

Cobalt bis(2-ethylhexanoate): M (acute) = 1.

Section 4: First aid measures

Inhalation

4.1 Description of first aid measures

General information

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue. If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing is difficult, give oxygen. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek

immediate medical assistance.

Ingestion

Rinse mouth thoroughly. Provide fresh air, warmth and rest. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is

convulsing. Seek medical advice (show the label where possible). If vomiting occurs, the

head should be kept low so that stomach vomit doesn't enter the lungs.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

the skin immediately with soap and water. Get medical attention if any discomfort continues

after rinsing.

Eye contact Do not rub eye. Avoid contaminating unaffected eye. Remove contact lenses if present and

easy to do so. Promptly wash eye(s) with plenty of water while lifting the eye lids. Rinse with

a gentle stream water for at least 15 minutes. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Exposure to product spray mists may be irritating to the respiratory system. Inhalation of

vapours may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin

reaction.

Eye contact May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials. Extinguish with foam,

carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet to extinguish fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products Combustion may lead to the release of harmful vapours, including but not limited to oxides of

carbon.

Unusual fire & explosion hazards The product is classified as a flammable liquid and vapour. Vapours are heavier than air and

may spread near ground to sources of ignition. Do not allow to enter drains, sewers, basements and workpits, or any place where its accumulation can be dangerous.

Specific hazards Vapours may be ignited by a spark, a hot surface or an ember. Flash back possible over

considerable distance.

5.3 Advice for firefighters

Special fire fighting procedures Ventilate closed spaces before entering them. Water spray should be used to cool containers.

If possible, fight fire from protected position. Keep up-wind to avoid fumes.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

$\underline{\textbf{6.1 Personal precautions, protective equipment and emergency procedures}}$

For non-emergency personnel Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection.

Wear protective clothing as described in Section 8 of this safety data sheet. If necessary evacuate surrounding areas. Eliminate all sources of ignition. Avoid inhalation of vapours $\frac{1}{2}$

and contact with skin and eyes.

Use non-sparking hand tools and explosion proof electrical equipment. Do not touch or walk through spilled material. Read and follow manufacturer's recommendations. Do not smoke,

eat or drink while using this product.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal

use of product.

6.2 Environmental precautions

Environmental precautions

Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Prevent further leakage or spillage if safe to do so. Ventilate and evacuate the area.

> Eliminate all sources of ignition. Wear necessary protective equipment. Dam and absorb spillage using a spill kit, sand, earth or other non-combustible material. Prevent entry to into sewers, water course, basement or confined areas. Use non sparking tools or equipment. Recover by pumping or with suitable absorbent. Place spilled material into suitable labelled

sealed containers. Remove waste promptly to a safe area.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste

disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling Use only with adequate ventilation. Wear appropriate respirator when ventilation is

inadequate. Wear suitable personal protective equipment, as detailed in Section 8. Keep away from heat, sparks and open flame. Formation of sparks and static electricity must be prevented. Earth all equipment. Use only non-sparking tools. Avoid contact with skin and eyes. Avoid inhalation of vapours. Do not use contact lenses. Avoid prolonged or repeated contact. Read and follow manufacturer's recommendations. Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a cool, dry and well-ventilated place. Keep

upright, locked up and out of reach of children.

Storage class Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2. Usage description Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
titanium dioxide	OEL		10 mg/m ³			
titanium dioxide	OEL		4 mg/m ³			
Talc (Mg3H2(SiO3)4)	OEL		10 mg/m ³			
Talc (Mg3H2(SiO3)4)	OEL		0.8 mg/m ³			
nonane	OEL	200 ppm	1050 mg/m ³			
propionic acid	OEL	10 ppm	31 mg/m ³	20 ppm	62 mg/m ³	IOELV
octane	OEL	300 ppm	1450 mg/m ³			

Ingredient comments

Ireland, Occupational Exposure Limits 2021.

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the

defined occupational exposure limit is not exceeded.

Respiratory equipment Where risk assessment shows air-purifying respirators are appropriate a full face respirator

conforming to EN 143 should be used, and suitable respirator cartridges as a backup to engineering controls. The specific respirator selected must be based on contamination levels found in the work place. Use respiratory protection as specified by qualified professional if concentrations exceed the limits listed in Section 8. Use type ABEK (EN 14387) respirator

cartridges. Consult manufacturer for specific advice.

Hand protection Where hand contact with the product may occur the use of gloves approved to relevant

standards (e.g. Europe: EN374) is recommended. Use chemical resistant gloves to minimize skin contact. Gloves must be inspected prior to use. Suggested material: Nitrile rubber.

Break through time: 480 min. Layer thickness: 0.33 mm.

Consult manufacturer for advice. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance

with applicable laws and good laboratory practices.

Eye protection Wear safety goggles to prevent any possibility of eye contact. Use equipment for eye

protection tested and approved under appropriate government standards such as EN

166(EU).

Other protection Protective clothing should be selected based on the task being performed and the risks

involved and should be approved by a specialist before handling this product. The selected

clothing must satisfy the European norm standard EN 943.

Hygiene measures Observe normal hygiene standards. DO NOT SMOKE! Wash hands after use. Wash promptly

if skin becomes contaminated. When using do not eat, drink or smoke.

Process conditions Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Viscous liquid.
Colour White.

Odour Slight hydrocarbon

Odour threshold - lower No information available as testing has not been completed.

Odour threshold - upper No information available as testing has not been completed.

pH-Value, Conc. Solution Not applicable.pH-Value, Diluted solution Not applicable.

Melting point May start to solidify at the following temperature: -15°C This is based on data for the

following ingredient: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2%

aromatics. Weighted average: -54.16°C

Initial boiling point and boiling

range

>142°C

Flash point Closed cup 37°C

Evaporation rate Highest known value: 0.04 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%

aromatics) Weighted average: 0.03compared with butyl acetate.

Flammability state Liquid.

Flammability limit - lower(%) Lower: 0.6%

Flammability limit - upper(%) Greatest known range: Upper: 7% (Hydrocarbons, C10-C13, nalkanes, isoalkanes, cyclics, <

2% aromatics)

Vapour pressure Highest known value: 0.1 to 0.3 kPa (0.8 to 2.3 mm Hg) (at 20°C) (Naphtha(petroleum),

hydrotreated heavy). Weighted average: 0.16 kPa (1.2 mm Hg) (at 20°C)

Vapour density (air=1) Highest known value: 4.5 (Air = 1) (Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <

2% aromatics).

Relative density 1.57 + /-0.2

Bulk density No information available.

Solubility Insoluble in cold water

Decomposition temperature Stable under normal handling and storage conditions.

Partition coefficient; n-

Octanol/Water

No information available as testing has not been completed.

Auto ignition temperature (°C) Lowest known value: >230°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%

aromatics).

Viscosity Kinematic (room temperature): >4 cm²/s Kinematic (40°C): >0.21 cm²/s

Explosive properties Not classified as explosive.

Oxidising properties The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight No information available.

Volatile organic compound 345.00 g/litre

Other information Volume solids: 78.0% +/- 1.0%

Weight Solids: 60.0% +/- 1.0%

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Avoid contact with oxidising agents, strong alkalis, and strong acids.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions For information on hazardous reaction see section 10.1.

Hazardous polymerisation No information available.

Polymerisation description Unknown.

10.4 Conditions to Avoid

Conditions to avoid Heat, sparks, open flames, temperature extremes and direct sunlight.

10.5 Incompatible materials

Materials to avoid Avoid contact with oxidising agents, strong alkalis, and strong acids.

10.6 Hazardous decomposition products

 $\textbf{Hazardous decomposition products} \quad \text{Thermal decomposition or combustion may liberate carbon oxides and other harmful gases}$

or vapors.

Section 11: Toxicological information

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

Toxicological information No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)

Acute toxicity (Dermal LD50)

Acute toxicity (Inhalation LD50)

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

Serious eye damage/irritation May cause temporary eye irritation.

Skin corrosion/irritation The product is not classified as a skin corrosion/irritation hazard.

Respiratory sensitisationThe product is not classified as a respiratory hazard. **Skin sensitisation**The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:

STOT - Single exposure The product is classified as a single exposure specific target organ toxin.

Specific target organ toxicity - Repeated exposure:

STOT - Repeated exposureThe product is not classified as a repeat exposure specific target organ toxin.

Inhalation Exposure to product spray mists may be irritating to the respiratory system. Inhalation of

vapours may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin

reaction.

Eye contact May cause temporary eye irritation.

Waste management Contaminated packaging should be disposed of according to local authority guidelines.

Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn. Where practical, waste or surplus material should be recovered and recycled. When handling waste, consideration should be made to the safety precautions applying to handling of the

product.

Routes of entry Eyes, skin, ingestion or inhalation.

Target organs Eyes, skin, digestive system, respiratory system.

Aspiration hazards: The product is not classified as an aspiration hazard. **Reproductive toxicity:** The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
nonane			3200.00ppmV Rat 4 Hours17000.00mg/m-3 Rat 4 Hours
propionic acid	2600.00mg/kg Rat	525.00mg/kg Rabbit	
octane			25260.00ppmV Rat 4 Hours118.00g/m3 Rat 4 Hours
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	>5000.00mg/kg Rat	>5000.00mg/kg Rabbit	>6.10mg/l (vapours) Rat 4 Hours
2-ethylhexanoic acid, zirconium salt	>5.00g/kg Rat	>5.00g/kg Rabbit	

11.2 Information on other hazards

Information on other hazards None known.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish

Acute toxicity - Aquatic invertebrates

No information available as testing has not been completed.

Acute toxicity - Aquatic plants

Acute toxicity - Microorganisms

Chronic toxicity - Fish

Chronic toxicity - Aquatic

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

invertebrates

Chronic toxicity - Aquatic plantsChronic toxicity - Microorganisms
No information available as testing has not been completed.
No information available as testing has not been completed.

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude

the possibility that large or frequent spills can have a harmful or damaging effect on the

environment.

Eco toxilogical information Not classified as dangerous for the environment according to the criteria of Regulation (EC)

No 1272/2008.

12.2 Persistence and degradability

Degradability

The degradability of the product has not been stated.

Biological oxygen demand Chemical oxygen demand

No information available as testing has not been completed. No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential **Bioaccumulation factor**

No data available on bioaccumulation.

Partition coefficient; n-

No information available as testing has not been completed.

Octanol/Water

No information available as testing has not been completed.

12.4 Mobility in soil

Mobility

Insoluble in cold water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties

The product does not contain any substances with endocrine disrupting properties at a

concentration above or equal to 0.1%.

12.7 Other adverse effects

Other adverse effects

None known.

Name	IACIITA TAXICITY (FISA)	J \ 1	Acute toxicity (Aquatic plants)
	LC50 96 Hours 51.00ppm Onchorhynchus mykiss (Rainbow Trout)		EC50 96 Hours 43.00mg/l
Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, < 2% aromatics	LC50 96 Hours >100.00ppm Freshwater Fish	LC50 48 Hours >100.00ppm Daphnia magna	

Section 13: Disposal considerations

Waste management

Contaminated packaging should be disposed of according to local authority guidelines. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn. Where practical, waste or surplus material should be recovered and recycled. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods

Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information

14.1 UN number or ID number

UN no. (ADR) UN1263 UN no. (IMDG) UN1263 UN no. (IATA) UN1263

14.2 UN proper shipping name

ADR proper shipping name IMDG proper shipping name IATA proper shipping name

PAINT or PAINT RELATED MATERIAL PAINT or PAINT RELATED MATERIAL

PAINT

14.3 Transport hazard class(es)

ADR class 3 IMDG class 3 IATA class 3

Transport labels



14.4 Packing group

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

14.5 Environmental hazards

ADR No IMDG No IATA No

14.6 Special precautions for user

EMSF-E, S-EEmergency action codeA3 A72 A192Hazard no. (ADR)30

Tunnel restriction code (D/E)

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH).

Approved code of practice 2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents)

Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

15.2 Chemical safety assessment

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information

This Safety Data Sheet is in accordance with REACH Annex II, (EC) No 2020/878.

Revision comments

This is a third issue. [1] Information updated. [2] Information updated. [3] Information updated. [3] Information updated. [3] Information updated. [4] Information updated. [5] Information updated. [6] Information updated. [6]

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updated. [8]Information updated. [9]Information updated. [10]Information updated [11]Information updated. [12]Information updated.

Revision date 20 October 2021

Revision 3

Safety data sheet status Approved.

Hazard statements in full

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure .

H411 Toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.H361 Suspected of damaging fertility or the unborn child .

H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child .
H400 Very toxic to aquatic life.

H315
H410
H410
Very toxic to aquatic life with long lasting effects.
H314
Causes severe skin burns and eye damage.
H225
Highly flammable liquid and vapour.

EUH208 Contains Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

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

or mist.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.