

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 03/10/2014 Revision date: 17/03/2023 Supersedes version of: 16/04/2021

Version: 2.1

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

1.1. Product identifier

Product form : Mixture
Product name : Tankmaster^{C6}

UFI : WHJ0-40F4-W00R-CJDW

Product code : FNC 02 04

Type of product : Firefighting foam concentrate (FP)

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only

Use of the substance/mixture : Firefighting foam concentrate

Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

ANGUS FIRE Ltd Station Road LA2 7NA Bentham - United Kingdom T +44(0) 1524 264000 - F +44(0)1524 264180 general.enquiries@angus.co.uk - www.angusfire.co.uk

1.4. Emergency telephone number

Emergency number : +44(0) 1524 264000 (Standard office hours: Monday to Friday 8:30am - 4:30pm GMT)

Contact person: EH&S Manager

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2
H315
Serious eye damage/eye irritation, Category 2
H319
Skin sensitisation, Category 1
H317
Reproductive toxicity, Category 2
H361
Hazardous to the aquatic environment – Chronic Hazard, Category 3
H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07



GHS08

Signal word (CLP) : Warning

Hazardous ingredients : 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol, 2-methyl-2,4-pentanediol

Hazard statements (CLP) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

H361 - Suspected of damaging the unborn child.

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H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear eye protection, protective clothing, protective gloves

P302+P352 - IF ON SKIN: Wash with plenty of water

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose in a safe manner in accordance with local/national regulations

2.3. Other hazards

Other hazards which do not result in classification

: This product contains fluoroalkyl surfactants (which are and include per- or poly- fluoroalkyl substances, "PFAS") and is required to be disposed of by high temperature incineration. See Section 13 for additional information.

PBT: not relevant – no registration required vPvB: not relevant – no registration required

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methyl-2,4-pentanediol substance with national workplace exposure limit(s) (BE, FR, GB)	(CAS-No.) 107-41-5 (EC-No.) 203-489-0 (EC Index-No.) 603-053-00-3 (REACH-no) 01-2119539582-35	1 – 4	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d
Iron(II) sulphate, heptahydrate substance with national workplace exposure limit(s) (BE, GB)	(CAS-No.) 7782-63-0 (EC-No.) 231-753-5 (EC Index-No.) 026-003-01-4 (REACH-no) 01-2119513203-57	1 – 4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
1,2-propanediol substance with national workplace exposure limit(s) (GB)	(CAS-No.) 57-55-6 (EC-No.) 200-338-0 (REACH-no) 01-2119456809-23	1 – 4	Not classified
Zinc chloride substance with national workplace exposure limit(s) (BE, FR, GB)	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2 (REACH-no) 01-2119472431-44	1 – 4	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	(CAS-No.) 4719-04-4 (EC-No.) 225-208-0 (EC Index-No.) 613-114-00-6 (REACH-no) 01-2119529226-41	0.1 – 1	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 1, H372
Diethanolamine substance with national workplace exposure limit(s) (BE, FR)	(CAS-No.) 111-42-2 (EC-No.) 203-868-0 (EC Index-No.) 603-071-00-1	< 0.05	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Iron(II) sulphate, heptahydrate	(CAS-No.) 7782-63-0 (EC-No.) 231-753-5 (EC Index-No.) 026-003-01-4 (REACH-no) 01-2119513203-57	(25 ≤C < 100) Skin Irrit. 2, H315
Zinc chloride	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2 (REACH-no) 01-2119472431-44	(5 ≤C ≤ 100) STOT SE 3, H335
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	(CAS-No.) 4719-04-4 (EC-No.) 225-208-0 (EC Index-No.) 613-114-00-6 (REACH-no) 01-2119529226-41	(0.1 ≤C ≤ 100) Skin Sens. 1, H317

Comments

: This product contains fluoroalkyl surfactants which are and include PFAS (per- or poly-fluoroalkyl substances), see Sections 13 & 15 for additional information.

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get

medical advice/attention.

First-aid measures after inhalation Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact Wash with plenty of water. Wash contaminated clothing before reuse. Get medical

advice/attention. If skin irritation or rash occurs:

First-aid measures after eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. First-aid measures after ingestion

: Causes serious eye irritation.

Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of damaging the unborn child. : May cause an allergic skin reaction. Symptoms/effects after inhalation

Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after eye contact

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : No specific measures are necessary. This product is a fire extinguishing medium.

Unsuitable extinguishing media : Not applicable.

Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

5.3. Advice for firefighters

Firefighting instructions : Not applicable. Protection during firefighting : Not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures 6.1.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Do not attempt to take action without suitable protective equipment. For further information Protective equipment

refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

Methods and material for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect Methods for cleaning up

spillage. Store away from other materials.

Reference to other sections

8. Exposure controls/personal protection. 13. Disposal considerations.

SECTION 7: Handling and storage

Precautions for safe handling

: Avoid contact with skin and eyes. Wear recommended personal protective equipment. Read Precautions for safe handling and follow manufacturer's recommendations. Handle in accordance with good industrial

hygiene and safety procedures. Read and follow the Safety Data Sheet (SDS) before use. Avoid breathing vapours. Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Hygiene measures Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out

of the workplace. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Store in original container. Keep container tightly closed. Store at temperatures not exceeding Storage conditions 60°C (140°F) (intermittent). Protect from sunlight. Protect from freezing. Keep/Store away from

incompatible materials.

Specific end use(s)

Firefighting foam concentrate.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Iron(II) sulphate, hepta	ahydrate (7782-63-0)		
Belgium	OEL TWA	1 mg/m³	
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m³	
United Kingdom	WEL STEL (OEL STEL)	2 mg/m³	
USA - ACGIH	ACGIH OEL TWA	1 mg/m³	
2-methyl-2,4-pentaned	liol (107-41-5)		
Belgium	OEL TWA	123 mg/m³	
Belgium	OEL TWA [ppm]	25 ppm	
France	VLE (OEL C/STEL)	125 mg/m³	
France	VLE (OEL C/STEL) [ppm]	25 ppm	
United Kingdom	WEL TWA (OEL TWA) [1]	123 mg/m³	
United Kingdom	WEL TWA (OEL TWA) [2]	25 ppm	
United Kingdom	WEL STEL (OEL STEL)	123 mg/m³	
United Kingdom	WEL STEL (OEL STEL) [ppm]	25 ppm	
USA - ACGIH	ACGIH OEL TWA [ppm]	25 ppm (Vapor fraction)	
USA - ACGIH	ACGIH OEL STEL	10 mg/m³ (Inhalable fraction, Aerosol only)	
USA - ACGIH	ACGIH OEL STEL [ppm]	50 ppm (Vapor fraction)	
Diethanolamine (111-4	(2-2)		
Belgium	OEL TWA	1 mg/m³	
Belgium	OEL TWA [ppm]	0.2 ppm	
France	VME (OEL TWA)	15 mg/m³	
France	VME (OEL TWA) [ppm]	3 ppm	
USA - ACGIH	ACGIH OEL TWA	1 mg/m³ (Inhalable fraction and vapor)	
1,2-propanediol (57-55	i-6)		
United Kingdom	WEL TWA (OEL TWA) [1]	474 mg/m³ 10 mg/m³	
United Kingdom	WEL TWA (OEL TWA) [2]	150 ppm	
Zinc chloride (7646-85	-7)		
Belgium	OEL TWA	1 mg/m³	
Belgium	OEL STEL	2 mg/m³	
France	VME (OEL TWA)	1 mg/m³	
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m³	
United Kingdom	WEL STEL (OEL STEL)	2 mg/m³	
USA - ACGIH	ACGIH OEL TWA	1 mg/m³	
USA - ACGIH	ACGIH OEL STEL	2 mg/m³	

8.2. Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation. Follow the exposure limits given on this material safety data sheet.

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): nitrile rubber (NBR) - 0.2 mm coating thickness

Eye protection:

Sealed safety goggles

Skin and body protection:

Wear suitable protective clothing. Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment (recommended filter type A2/P2)

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Thermal hazard protection:

Wear thermal protective clothing, when necessary.

Environmental exposure controls:

Contain spills. Prevent releases. Observe national regulations on emissions. Ensure all national/local regulations are observed.

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Brown.
Odour : Characteristic.
Odour threshold : No data available

pH : 7-8

Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available

Freezing point : -16 °C

Boiling point : No data available

Flash point : > 100 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available : No data available Flammability Vapour pressure : No data available Relative vapour density at 20°C : No data available Relative density : No data available Density : 1.18 – 1.22 Solubility : No data available : No data available Partition coefficient n-octanol/water (Log Pow) Viscosity, kinematic $15 - 30 \text{ mm}^2/\text{s}$: No data available Viscosity, dynamic Explosive properties : No data available Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable and non reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials. Extremely high or low temperatures.

10.5. Incompatible materials

Alkali metals. Oxidizing agent. Water reactive substances.

10.6. Hazardous decomposition products

Carbon oxides. Sulphur oxides. Hydrogen fluoride. Nitrogen oxides (NOx). Sodium oxides.

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Court Exercity Suphate, heptahydrate (7782-63-0)	SECTION 11: Toxicological info	
Iron(II) sulphate, heptahydrate (7782-63-0)		
LD50 oral rat Second Processing Content	cute toxicity	: Not classified
Dral, 14 day(s)	· · · · · · · · · · · · · · · · · · ·	·
across, Anhydrous form, Dermal, 14 day(s)) 2,2,2*-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol (4719-04-4) LD50 oral rat LD50 dermal rat LD50 makes an invalidation - Rat LD50 inhalation - Rat LD50 makes an invalidation - Rat L	LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Read-across, Oral, 14 day(s))
Anhydrous form, Inhalation) 2,2,2"-{hexahydro-1,3,5-triazine-1,3,5-triy)triethanol (4719-04-4) LD50 oral rat 763 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral) > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal) LC50 Inhalation - Rat 2,3" mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Dermal) LC50 Inhalation - Rat 0,3" mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Oral, 15 day(s)) LD50 oral rat > 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity - Acute Toxic Class Method, Rathalation Rathalation Rathalation (Secondary) LC50 Inhalation - Rat > 2000 mg/kg bodyweight (OECD 420: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Oral, 15 day(s)) LC50 Inhalation - Rat > 250 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) Diethanolamine (111-42-2) LD50 oral rat 1600 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) 1,2-propanediol (57-55-6) LD50 oral rat 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Oral) LD50 oral rat 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) LC50 Inhalation - Rat 3 44.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Cral (4 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 18 mg/l air (10 min	LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read across, Anhydrous form, Dermal, 14 day(s))
LD50 oral rat 763 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral) 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal) LC50 Inhalation - Rat 0.371 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol)) 2-methyl-2,4-pentanediol (107-41-5) LD50 oral rat 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity - Acute Toxic Class Method, Ra Male / female, Experimental value, Oral, 15 day(s)) LD50 dermal rat 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Oral, 15 day(s)) LC50 Inhalation - Rat 2000 mg/kg bodyweight (OECD 403: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) Diethanolamine (111-42-2) LD50 oral rat 1600 mg/kg bodyweight (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) Diethanolamine (111-42-2) LD50 oral rat 2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) 1.2-propanediol (57-55-6) LD50 oral rat 2000 mg/kg bodyweight (QECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral) LC50 Inhalation - Rat 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral (Parmal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1100 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) 1100 mg/kg bodyweight (OECD 402:	LC50 Inhalation - Rat	> 1.1 mg/l (EPA OPP 81-3: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, Anhydrous form, Inhalation)
LD50 dermal rat 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal) 2-methyl-2,4-pentanediol (107-41-5) 3-2000 mg/kg bodyweight (OECD 402: Acute Oral toxicity - Acute Toxic Class Method, Ra Male / female, Experimental value, Oral, 15 day(s)) 2-methyl-2,4-pentanediol (107-41-5) 2-methyl-2,4-pentanediol (107-41-5) 2-methyl-2,4-pentanediol (107-41-5) 2-methyl-2,4-pentanediol (107-41-5) 3-2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) 3-2000 mg/kg bodyweight (Equivalent or similar to OECD 403, 8 h, Rat, Male / female, Experimental value, Inhalation (117-42-2) 3-2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) 3-2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) 3-2000 mg/kg bodyweight (117-42-2) 3-2000 mg/kg (117-42-2) 3-2000 mg/kg bodyweight (117-42-2) 3-2000 mg/kg b	2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-	-triyl)triethanol (4719-04-4)
Experimental value, Dermal) CS0 Inhalation - Rat CS0 Inhalation - Rat CS0 Inhalation - Rat CS0 Inhalation - Rat CS0 Inhalation (107-41-5) CS0 Inhalation (2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity - Acute Toxic Class Method, Ra Male / female, Experimental value, Oral, 15 day(s)) LD50 oral rat SC000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) LD50 oral rat SC000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) Diethanolamine (111-42-2) LD50 oral rat 1600 mg/kg bodyweight (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalatic (vapours), 14 day(s)) 1,2-propanediol (57-55-6) LD50 oral rat 2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral) LD50 oral rat 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) LC50 Inhalation - Rat 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Cd 14 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s))	LD50 oral rat	763 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
Inhalation (aerosol))	LD50 dermal rat	
Separate	LC50 Inhalation - Rat	0.371 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value Inhalation (aerosol))
Male / female, Experimental value, Oral, 15 day(s)) LD50 dermal rat 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s)) 255 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalatic (vapours), 14 day(s)) 256 mg/l (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) 250 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) 250 mg/kg bodyweight (Pemale, Experimental value, Oral) 250 mg/kg bodyweight (Pemale, E	2-methyl-2,4-pentanediol (107-41-5)	
Experimental value, Dermal, 15 day(s)) LC50 Inhalation - Rat > 55 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalatic (vapours), 14 day(s)) Diethanolamine (111-42-2) LD50 oral rat 1600 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) 1,2-propanediol (57-55-6) LD50 oral rat 22000 mg/kg (Rat, Male / female, Experimental value, Oral) LD50 dermal rabbit > 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) LC50 Inhalation - Rat > 244.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral (14 day(s)) LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) Experimental value, Inhalation (aerosol), 7 day(s)) Causes skin irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)) To causes serious eye irritation. pH: 7 - 8 Experimental value, Inhalation (aerosol), 7 day(s)	LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 15 day(s))
(vapours), 14 day(s)) Diethanolamine (111-42-2) LD50 oral rat	LD50 dermal rat	
1,2-propanediol (57-55-6) 2,2000 mg/kg (Rat, Male / female, Experimental value, Oral) 1,2-propanediol (57-55-6) 2,2000 mg/kg (Rat, Male / female, Experimental value, Dermal, 14 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Dermal, 14 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Dermal, 14 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Dermal, 14 day(s)) 2,2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Council (2,4 h, Rat, Read-across, Dermal, 15 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s)) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aerosol), 7 day(s) 1,2-propanediol (2,4 h, Rabbit, Experimental value, Inhalation (aer	LC50 Inhalation - Rat	> 55 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
value, Oral, 14 day(s)) 1,2-propanediol (57-55-6) LD50 oral rat 22000 mg/kg (Rat, Male / female, Experimental value, Oral) > 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) LC50 Inhalation - Rat > 244.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) LD50 dermal rat 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) Acrious eye damage/irritation pH: 7 - 8 derious eye damage/irritation cerm cell mutagenicity Not classified Any cause an allergic skin reaction. Not classified Experimental value, Oral) Any cause and Indicated in the control of the c	Diethanolamine (111-42-2)	
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LD50 oral rat 22000 mg/kg (Rat, Male / female, Experimental value, Oral) > 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 44.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LD50 dermal rat 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) Exim corrosion/irritation Causes skin irritation. pH: 7 - 8 Exercious eye damage/irritation Causes serious eye irritation. pH: 7 - 8 Exercious eye damage/irritation Causes an allergic skin reaction. Exercicle mutagenicity Not classified Experimental value, Inhalation (aerosol), 7 day(s)) Reproductive toxicity Suspected of damaging the unborn child. EXTOT-repeated exposure Not classified	1,2-propanediol (57-55-6)	
LD50 dermal rabbit > 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 14 day(s)) > 44.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s)) Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) ikin corrosion/irritation pH: 7 - 8 despiratory or skin sensitisation icerious eye damage/irritation permodel mutagenicity in Not classified terproductive toxicity is Suspected of damaging the unborn child. itTOT-repeated exposure in Not classified itTOT-repeated exposure in Not classified it Not classified		22000 mg/kg (Rat, Male / female, Experimental value, Oral)
Zinc chloride (7646-85-7) LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) ikin corrosion/irritation : Causes skin irritation. pH: 7 - 8 tespiratory or skin sensitisation : May cause an allergic skin reaction. serm cell mutagenicity : Not classified teproductive toxicity : Suspected of damaging the unborn child. iTOT-repeated exposure : Not classified	LD50 dermal rabbit	
LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) kin corrosion/irritation : Causes skin irritation. pH: 7 - 8 tespiratory or skin sensitisation : May cause an allergic skin reaction. term cell mutagenicity : Not classified teproductive toxicity : Suspected of damaging the unborn child. ETOT-repeated exposure : Not classified	LC50 Inhalation - Rat	> 44.9 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 7 day(s))
LD50 oral rat 1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, C 14 day(s)) LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Read-across, Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) kin corrosion/irritation : Causes skin irritation. pH: 7 - 8 tespiratory or skin sensitisation : May cause an allergic skin reaction. term cell mutagenicity : Not classified teproductive toxicity : Suspected of damaging the unborn child. ETOT-repeated exposure : Not classified	Zinc chloride (7646-85-7)	
Dermal, 15 day(s)) LC50 Inhalation - Rat 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) Skin corrosion/irritation pH: 7 – 8 Respiratory or skin sensitisation Rem cell mutagenicity Reproductive toxicity Reproductive toxicity TOT-repeated exposure Dermal, 15 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s)) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s) 1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s) 1.98 mg/l air (10 minutes, Rat, Female, Experimental va	LD50 oral rat	1100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Oral 14 day(s))
ikin corrosion/irritation : Causes skin irritation. pH: 7 – 8 despiratory or skin sensitisation : May cause an allergic skin reaction. described carcinogenicity : Not classified desproductive toxicity : Suspected of damaging the unborn child. itoT-repeated exposure : Not classified	LD50 dermal rat	
pH: 7 – 8 erious eye damage/irritation : Causes serious eye irritation. pH: 7 – 8 lespiratory or skin sensitisation : May cause an allergic skin reaction. erm cell mutagenicity : Not classified farcinogenicity : Not classified leproductive toxicity : Suspected of damaging the unborn child. TOT-single exposure : Not classified TOT-repeated exposure : Not classified	LC50 Inhalation - Rat	1.98 mg/l air (10 minutes, Rat, Female, Experimental value, Inhalation (aerosol), 7 day(s))
pH: 7 – 8 despiratory or skin sensitisation : May cause an allergic skin reaction. derm cell mutagenicity : Not classified desproductive toxicity : Suspected of damaging the unborn child. TOT-single exposure : Not classified TOT-repeated exposure : Not classified	kin corrosion/irritation	
Respiratory or skin sensitisation : May cause an allergic skin reaction. Rearm cell mutagenicity : Not classified : Not classified : Not classified : Suspected of damaging the unborn child. TOT-single exposure : Not classified : Not classifie	erious eye damage/irritation	·
serm cell mutagenicity : Not classified : Not classified : Not classified : eproductive toxicity : Suspected of damaging the unborn child. TOT-single exposure : Not classified : Not classified : TOT-repeated exposure : Not classified : Not clas	espiratory or skin sensitisation	·
arcinogenicity : Not classified teproductive toxicity : Suspected of damaging the unborn child. TOT-single exposure : Not classified TOT-repeated exposure : Not classified	. ,	· · · · · · · · · · · · · · · · · · ·
reproductive toxicity : Suspected of damaging the unborn child. TOT-single exposure : Not classified TOT-repeated exposure : Not classified	- · · · · · · · · · · · · · · · · · · ·	
TOT-single exposure : Not classified TOT-repeated exposure : Not classified		
TOT-repeated exposure : Not classified		
entrotion hazard : Not alocation	spiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Tankmaster^{C6}

Viscosity, kinematic

Ecology - water : Harmful to aquatic life with long lasting effects.

15 – 30 mm²/s

Iron(II) sulphate, heptahydrate (7782-63-0)			
LC50 - Fish [1]	925 mg/l (96 h, Poecilia reticulata, Static system, Literature study)		
EC50 - Crustacea [1]	152 mg/l (48 h, Daphnia magna, Literature study, Anhydrous form)		

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Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

system, Fresh water, Experimental value, GLP) Energy 2- pentanyel 2-4 pentanediol (107-41-5) Energy 3-4 pentanediol (107-41-5) LC50 - Fish [1] System, Fresh water, Experimental value, GLP) EC50 - Crustacea [1] S450 mg/l (Equivalent or similar to DECD 203, 98 h. Oncorhynchus mykiss, Flow-through system, Experimental value, Lacha) EC50 - Crustacea [1] S410 mg/l (Equivalent or similar to DECD 203, 98 h. Oncorhynchus mykiss, Flow-through system, Experimental value, Lachan) EC50 - Crustacea [1] S420 mg/l (DECD 201; Aga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Stati system, Fresh water, Experimental value, Locandor effect.) Diethanotamine (111-42-2) EC50 - Fish [1] A60 mg/l (96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cornobination (111-42-2) EC50 - Fish [1] A60 mg/l (96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Cornobination) EC50 - Crustacea [1] S311 - 89.3 mg/l (ASTM E729-80, 48 h. Ceriodaphnia dubia, Static system, Fresh water, Experimental value, Cornobination) L2-propandiol (57-55-6) EC50 - Giagae 35 mg/l (EPA 6003-78-018, 72 h. Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) EC50 - Fish [1] S4613 mg/l (96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value) EC50 - Fish [1] EC50 - Giagae 24200 mg/l (DECD 201; Aga, Growth Inhibition Test, 72 h. Pseudokirchenrella subcapitata (111-1) EC50 - Fish [1] S4613 mg/l (S5TM E729-88, 98 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP) EC50 - Fish [1] EC50 - Giustacea [1] S470 mg/l (DECD 201; Aga, Growth Inhibition Test, 72 h. Pseudokirchenrella subcapitata) EC50 - Giustacea [1] S470 mg/l (DECD 201; Aga, Growth Inhibition Test, 72 h. Pseudokirchenrella subcapitata) EC50 - Fish [1] S480 mg/l (DECD 201; Aga, Growth Inhibition Test, 72 h. Pseudokirchenrella subc	2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-tri	/l)triethanol (4719-04-4)
11.9 mg/ (DCCD 202: Daphnia sp. Acute Immobilisation Test. 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GIP)	LC50 - Fish [1]	
EGS0 algae 8.66 mg/l (DECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Stati system, Fresh water, Experimental value, GLP) 2.methyl-2.4-pentanediol (107-41-5) 1.C50 - Fish [1] 8.450 mg/l (Equivalent or similar to DECD 203, 95 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal) ECS0 - Crustacea [1] 8.450 mg/l (Equivalent or similar to DECD 203, 49 h, Dophnia magna, Static system, Fresh water, Experimental value, Locomotor effect) 8.20 mg/l (EGD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Stati system, Fresh water, Experimental value, Locomotor effect) 1.20 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Oncorhination) 1.20 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) 1.20 mg/l (26 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, O	EC50 - Crustacea [1]	11.9 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static
2-methyl-2,4-pentanediol (107-41-5) 1.050 - Fish [1] 9450 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal) 1.050 - Fish [1] 9450 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Corombraid value, Nominal concentration) 1.050 - Fish [1] 4.050 - Fish [1] 4.051 mg/l (EPA 005)78-76-118, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) 1.2-propanediol (\$7-55-6) 1	ErC50 algae	6.66 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static
LCSO - Fish [1] 9450 mgl (Equivalent or similar to OECD 203, 96 h. Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethan) ECSO - Crustacea [1] 5410 mgl (Equivalent or similar to OECD 202, 48 h. Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) > 420 mgl (OECD 201: Aga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Stati system, Fresh water, Experimental value, Comotor effect) Value	2 mothyl 2.4 nontonodial (407.44.5)	System, Fresh water, Experimental value, SEF /
system, Fresh water, Experimental value, Lethal) EC50 - Crustacea [1]	, , ,	0.450 as all / Facility land on similar to OFCD 2022 OCh. Or early making multipe. Flow through
water, Experimental value, Locomotor effect) 4-29 mg/ (DCCD 201: Aga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Stati system, Fresh water, Experimental value, Growth rate) Diethanolamine (111-42-2) LC50 - Fish [1]		system, Fresh water, Experimental value, Lethal)
System, Fresh water, Experimental value, Growth rate) Disthanolamine (111-42-2) LC50 - Frish [1]	EC50 - Crustacea [1]	
LC50 - Fish [1] 460 mg/l (96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal acconstration) EC50 - Crustacea [1] 30.1 – 80.9 mg/l (ASTM E729-80, 48 h. Ceriodaphnia dubia, Static system, Fresh water, Experimental value, Locomotor effect) ErC50 algae 9.5 mg/l (EPA 6009-78-018, 72 h. Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) 1.2-propanediol (57-55-6) LC50 - Fish [1] 40613 mg/l (96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value) ErC50 algae 24200 mg/l (OECD 201: Alga, Growth inhibition Test, 72 h. Pseudokirchneriella subcapitata Static system, Fresh water, Experimental value, Nominal Concentration) ElC50 - Fish [1] 469 µg/l (ASTM E729-88, 96 h. Oncorhynchus mykiss, Static system, Fresh water, Experimental value, CIP) ElC50 - Crustacea [1] 570 µg/l (OECD 202: Alga, Growth inhibition Test, 72 h. Pseudokirchneriella subcapitata Value, Lethal) EC50 - Crustacea [1] 570 µg/l (OECD 202: Alga, Growth inhibition Test, 48 h., Ceriodaphnia dubia, Straystem, Fresh water, Experimental value, CIP) Experimental value, Lethal) EC50 - Crustacea [1] 570 µg/l (OECD 202: Alga, Growth inhibition Test, 48 h., Ceriodaphnia dubia, Straystem, Fresh water, Experimental value, CIP) Experimental value, Lethall Experimental value, Le	EC50 72h - Algae [1]	
Nominal concentration	Diethanolamine (111-42-2)	
EC50 - Crustacea [1] 30.1 - 8.9 nmg/l (ASTM E729-80, 48 h. Ceirodaphnia dubia, Static system, Fresh water, Experimental value, Locomotor effect) ErC50 algae 9.5 mg/l (EPA 600/9-78-018, 72 h., Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) 1.2-propanediol (57-55-6) 1.2-propanediol (57-56-6) 1.2-propanediol (57-55-6) 1.2-propanediol (57-55-6) 2.2-propanediol (57-55-6) 2.2-propanediol (57-55-6) 2.2-propanediol (57-55-6) 2.3-propanediol (57-55-6) 2.4-propanediol (57-55-6) 2.5-propanediol (5	LC50 - Fish [1]	
water, Experimental value, Nominal concentration) 1.2-propanediol (57-55-6) 1.2-propanediol (57-55-6) 1.2-propanediol (57-55-6) 1.2-propanediol (57-55-6) 1.2-propanediol (57-55-6) 2.2-propanediol (57-55-6) 2.2-propanediol (57-55-7) 1.2-propanediol (57-55-7) 1.2-propanediol (57-55-7) 1.2-propanediol (57-55-7) 1.2-propanediol (57-55-7) 1.2-propanediol (57-55-6) 2.2-propanediol (57-55-6) 2.3-propanediol (57-55-6) 2.4-propanediol (57-55-6) 2.4-propanediol (57-55-6) 2.5-propanediol (57-55-6) 2.5-propanediol (57-55-6) 2.5-propanediol (57-55-6) 2.5-propanediol (57-55-6) 2.6-propanediol (57-55-6) 2.7-propanediol (57-56-6) 2.7-propanediol (57-56-6	EC50 - Crustacea [1]	30.1 – 89.9 mg/l (ASTM E729-80, 48 h, Ceriodaphnia dubia, Static system, Fresh water,
LCSo - Fish [1] 40613 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value) ErCSo algae 24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitate Static system, Fresh water, Experimental value, GLP) Zinc chloride (7646-85-7) LCSo - Fish [1] 169 μg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal) ECSo - Crustacea [1] 670 μg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Ceriodaphnia dubia, Stasystem, Fresh water, Experimental value) NOEC chronic algae (Pseudokirchemiella subcapitata) Z.2. Persistence and degradability Tankmaster ^{Co} Persistence and degradability May cause long-term adverse effects in the environment. Iron(II) sulphate, heptahydrate (7782-63-0) Persistence and degradability Biodegradability in soil: no data available. Readily biodegradable in water. Chemical oxygen demand (COD) Not applicable (inorganic) 2,2,2*(nexhydro-1,3,5-triazine-1,3,5-triyl)triethanol (4719-04-4) Persistence and degradability Readily biodegradable in water. 2-methyl-2,4-pentanediol (107-41-5) Persistence and degradability Readily biodegradable in water. Biochemical oxygen demand (BOD) 0.02 g 0; /g substance Chemical oxygen demand (BOD) 0.02 g 0; /g substance Diethanolamine (111-42-2) Persistence and degradability Biodegradable in the soil. Readily biodegradable in water. Biochemical oxygen demand (BOD) 0.22 g 0; /g substance ThOD 1.52 g 0; /g substan	ErC50 algae	
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Ricacoumulative notantial The product is not expected to biogeographic		
The product is not expected to bioaccumulate.	Bioaccumulative potential	The product is not expected to bioaccumulate.

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Iron(II) sulphate, heptahydrate (7782-63-0)		
BCF - Fish [1]	≤ 20 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-	
Dia a constituti na saturatia l	through system, Fresh water, Read-across, Fresh weight)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)tric		
Partition coefficient n-octanol/water (Log Pow)	-2.3 – -1.3 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 24 °C)	
Bioaccumulative potential	Not bioaccumulative.	
2-methyl-2,4-pentanediol (107-41-5)		
Partition coefficient n-octanol/water (Log Pow)	0.58 (QSAR, KOWWIN)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
Diethanolamine (111-42-2)		
BCF - Fish [1]	3.162 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	-2.18 – -1.43 (Experimental value)	
Bioaccumulative potential	Not bioaccumulative.	
1,2-propanediol (57-55-6)		
Partition coefficient n-octanol/water (Log Pow)	-1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Zinc chloride (7646-85-7)		
BCF - Fish [1]	0.4 – 7.51 (45 day(s), Channa punctatus, Semi-static system, Fresh water, Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
12.4. Mobility in soil		
Iron(II) sulphate, heptahydrate (7782-63-0)		
Ecology - soil	Adsorbs into the soil.	
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)tric Organic Carbon Normalized Adsorption	1 (log Koc, PCKOCWIN v1.66, Calculated value)	
Coefficient (Log Koc)		
Ecology - soil	Highly mobile in soil.	
2-methyl-2,4-pentanediol (107-41-5)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, Calculated value)	
Ecology - soil	Highly mobile in soil.	
Diethanolamine (111-42-2)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.98 – 1 (log Koc, Calculated value)	
Ecology - soil	Highly mobile in soil.	
1,2-propanediol (57-55-6)		
Surface tension	71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.46 (log Koc, Calculated value)	
Ecology - soil	Highly mobile in soil.	
Zinc chloride (7646-85-7)		
Surface tension	No data available in the literature	
Ecology - soil	No (test)data on mobility of the substance available. Soil contaminant.	
12.5. Results of PBT and vPvB assessmen		
Tankmaster ^{C6}		
PBT: not relevant – no registration required		
vPvB: not relevant – no registration required		
Component		
2-methyl-2,4-pentanediol (107-41-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Iron(II) sulphate, heptahydrate (7782-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
1,2-propanediol (57-55-6)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
Zinc chloride (7646-85-7)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

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Component		
2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol (4719-04-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Diethanolamine (111-42-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
12.6. Other adverse effects		
Other adverse effects	 An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. 	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product contains PFAS. Local requirements for waste disposal may be more restrictive or otherwise different from national regulations. Therefore, applicable local and state regulatory agencies should be contacted regarding disposal of waste foam concentrate or foam/foam solution.

Concentrate

Prevent foam concentrate from entering ground water, surface water or storm drains. Small quantities of foam concentrate may be collected on absorbents which can then be disposed of. Disposal should be made in accordance with local, state and federal regulations. High temperature incineration is required at a minimum of 1000°C with a minimum residence time of 2 seconds.

Foam/Foam Solution

Prevent foam/foam solution from entering ground water, surface water or storm drains. Small quantities of foam solution may be collected on absorbents which can then be disposed of. Disposal should be made in accordance with local, state and federal regulations. High temperature incineration is required at a minimum of 1000°C with a minimum residence time of 2 seconds.

NOTE: Please consult Angus Fire for additional information regarding the disposal of foam concentrates and foam solutions or visit https://angusfire.co.uk/use-discharge-and-disposal-of-firefighting-foam-products/.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 16 03 05* - organic wastes containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number	'			·
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper s	shipping name	-	-	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport h	azard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing gro	oup	'	,	'
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmer	ntal hazards		,	'
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

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- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Listed on REACH Annex XVII (Restriction Conditions). The following restrictions are applicable:	
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Tankmaster ^{C6} ; 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 2-methyl-2,4-pentanediol
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Tankmaster ^{C6}

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

15.1.2. National regulations

France

Occupational diseases : RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BlmSchV) : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen
SZW-lijst van mutagene stoffen
SZW-lijst van reprotoxische stoffen - SZW-lijst van reprotoxische stoffen -

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Ontwikkeling

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

: None of the components are listed

Pregnant/breastfeeding women working with the product must not be in direct contact with the

product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Data sources : 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.

Full text of H- and EUH-statements:	Full text of H- and EUH-statements:				
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2				
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4				
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1				
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1				
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3				
Eye Dam. 1	Serious eye damage/eye irritation, Category 1				
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2				
H302	Harmful if swallowed.				

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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. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B		
H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H314	Causes severe skin burns and eye damage.
H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H315	Causes skin irritation.
H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H317	May cause an allergic skin reaction.
H330 Fatal if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361 Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H318	Causes serious eye damage.
H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H319	Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child. H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H330	Fatal if inhaled.
H361d Suspected of damaging the unborn child H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H335	May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H361	Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H361d	Suspected of damaging the unborn child
H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H372	Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H373	May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects. Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H400	Very toxic to aquatic life.
Repr. 2 Reproductive toxicity, Category 2 Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1B Skin corrosion/irritation, Category 1, Sub-Category 1B	H412	Harmful to aquatic life with long lasting effects.
	Repr. 2	Reproductive toxicity, Category 2
Chin Jurit 2 Chin corresponding to the control of the corresponding to the control of the corresponding to the control of the control of the corresponding to the control of the corresponding to the control of the corresponding to the corres	Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skill lilli. 2 Skill collosiol/illitation, Category 2	Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1 Skin sensitisation, Category 1	Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1 Specific target organ toxicity – Repeated exposure, Category 1	STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2 Specific target organ toxicity – Repeated exposure, Category 2	STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3 Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

SDS EU (REACH Annex II) - Angus Fire

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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