

Zinn7

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.
Issue date: 25/12/2024 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Name : Zinn7
Product code : 1071/2.002

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Welding and soldering products, flux products

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

VM BUILDING SOLUTIONS
Collier House, Mead Lane
Hertford, SG13 7AX – Hertfordshire
United Kingdom
T + 44 1992 921 300
info_ipds@vmbuildingsolutions.com - www.v zinc.co.uk

1.4. Emergency telephone number

Country/Area	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
United Kingdom	NHS 111/NHS 24/NHS Direct	Edinburgh	111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Met. Corr. 1 H290
Acute Tox. 4 (Oral) H302
Skin Corr. 1 H314
Eye Dam. 1 H318
STOT SE 3 H335
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

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

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP) :



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	GHS05	GHS07	GHS09
Signal word (GB CLP)	: Danger		
Contains	: zinc chloride; ammonium chloride; Ethylene glycol; Hydrochloric acid		
Hazard statements (GB CLP)	: H290 - May be corrosive to metals. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H335 - May cause respiratory irritation. H410 - Very toxic to aquatic life with long lasting effects.		
Precautionary statements (GB CLP)	: P234 - Keep only in original packaging. P260 - Do not breathe vapours. P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective clothing, eye protection, face protection. P301+P330+P331+P310 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER, a doctor. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER, a doctor. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor. P363 - Wash contaminated clothing before reuse. P390 - Absorb spillage to prevent material damage. P391 - Collect spillage. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.		

2.3. Other hazards

Other hazards which do not result in classification : None known.

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	zinc chloride (7646-85-7), ammonium chloride (12125-02-9), Ethylene glycol (107-21-1), Propan-2-ol (67-63-0), Hydrochloric acid (7647-01-0)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	zinc chloride (7646-85-7), ammonium chloride (12125-02-9), Ethylene glycol (107-21-1), Propan-2-ol (67-63-0), Hydrochloric acid (7647-01-0)
Component	
Substance(s) not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	zinc chloride(7646-85-7), ammonium chloride(12125-02-9), Ethylene glycol(107-21-1), Propan-2-ol(67-63-0), Hydrochloric acid(7647-01-0)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
zinc chloride substance avec limite(s) d'exposition professionnelle	CAS-No.: 7646-85-7 EC-No.: 231-592-0	≥ 25 - < 50	Acute Tox. 4 (Oral), H302 (ATE=1100 mg/kg bodyweight) Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
ammonium chloride substance avec limite(s) d'exposition professionnelle	CAS-No.: 12125-02-9 EC-No.: 235-186-4 UK Index-No.: 017-014-00-8	≥ 2.5 - < 10	Acute Tox. 4 (Oral), H302 (ATE=1410 mg/kg) Eye Irrit. 2, H319
Ethylene glycol substance avec limite(s) d'exposition professionnelle	CAS-No.: 107-21-1 EC-No.: 203-473-3 UK Index-No.: 603-027-00-1	≥ 2.5 - < 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 2, H373
Propan-2-ol substance avec limite(s) d'exposition professionnelle	CAS-No.: 67-63-0 EC-No.: 200-661-7 UK Index-No.: 603-117-00-0	< 2.5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hydrochloric acid substance avec limite(s) d'exposition professionnelle	CAS-No.: 7647-01-0 EC-No.: 231-595-7 UK Index-No.: 017-002-01-X	≥ 1 - < 2.5	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
zinc chloride	CAS-No.: 7646-85-7 EC-No.: 231-592-0	(5 ≤ C ≤ 100) STOT SE 3; H335
Hydrochloric acid	CAS-No.: 7647-01-0 EC-No.: 231-595-7 UK Index-No.: 017-002-01-X	(10 ≤ C < 25) Skin Irrit. 2; H315 (10 ≤ C < 25) Eye Irrit. 2; H319 (10 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Skin Corr. 1B; H314

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove victim to fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Immediately rinse with plenty of water (for at least 15 minutes). Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical advice/attention.

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

Symptoms/effects after inhalation	: Cough. Respiratory difficulties. Nosebleeding. Risk of lung oedema. Chronic bronchitis.
Symptoms/effects after skin contact	: Causes severe skin burns. Redness. Swelling.
Symptoms/effects after eye contact	: Causes serious eye damage. Irritation. Lacrimation. Redness.
Symptoms/effects after ingestion	: Harmful if swallowed. Severe irritation or burns to the mouth, throat, oesophagus, and stomach. Nausea. May perforate the oesophagus or the digestive tract. Vomiting. Diarrhea.
Chronic symptoms	: May cause respiratory irritation.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂). Dry chemical powder. Water spray. Alcohol resistant foam.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Attacks many metals releasing highly flammable gas (hydrogen) which generates fire or explosion hazards.
Hazardous decomposition products in case of fire : Zinc oxide. Chlorinated derivatives. Nitrogen oxides. Carbon oxides (CO, CO₂). Hydrochloric acid gas (HCl). Toxic fumes may be released. However, there is a risk of vapour ignition in the event of a significant rise in temperature and/or a reduction in the concentration of halogen in the air. Indeed, the presence of a small quantity of a halogenated substance in a mixture with flammable substances causes the flash point to increase, or even disappear.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. Stop leak if safe to do so. Cool down the containers exposed to heat with a water spray. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ventilate spillage area. Do not breathe vapours, spray.

6.1.1. For non-emergency personnel

- Protective equipment : Do not attempt to take action without suitable protective equipment.
Emergency procedures : Ventilate spillage area. Avoid any direct contact with the product. Do not breathe vapours, spray.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Contain the spilled material by bunding (product is hazardous for the environment). Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Stop leak without risks if possible. Take up liquid spill into absorbent material, e.g.: sand, saw dust.
Methods for cleaning up : Hose down area with water. Neutralize small quantities of spilled liquid with calcium hydroxide, sodium carbonate, sodium bicarbonate or lime. Recover the cleaning water for later disposal.
Other information : Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For waste disposal after cleaning, see section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid any direct contact with the product. Do not breathe vapours, spray. Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Hygiene measures : Do not eat, drink or smoke during use. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure that there is a suitable ventilation system.
- Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Keep the container hermetically sealed.
- Incompatible materials : Bases. Oxidation agents. Metals.
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Special rules on packaging : Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

zinc chloride (7646-85-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Zinc chloride
WEL TWA (OEL TWA)	1 mg/m ³ fume
WEL STEL (OEL STEL)	2 mg/m ³ fume
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
ammonium chloride (12125-02-9)	
United Kingdom - Occupational Exposure Limits	
Local name	Ammonium chloride
WEL TWA (OEL TWA)	10 mg/m ³ fume
WEL STEL (OEL STEL)	20 mg/m ³ fume
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Ethylene glycol (107-21-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulate
	52 mg/m ³ vapour
	20 ppm vapour
WEL STEL (OEL STEL)	104 mg/m ³ vapour
	40 ppm vapour

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Ethylene glycol (107-21-1)	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Propan-2-ol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m ³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m ³
	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Hydrochloric acid (7647-01-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen chloride
WEL TWA (OEL TWA)	2 mg/m ³ gas and aerosol mists
	1 ppm gas and aerosol mists
WEL STEL (OEL STEL)	8 mg/m ³ gas and aerosol mists
	5 ppm gas and aerosol mists
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Extraction to remove vapours at their source. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields. (ISO 16321-1)

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8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. Use chemically protective clothing. Acid-resistant boots

Hand protection:

Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). Nitrile rubber gloves. Neoprene. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1. Breakthrough time : refer to the recommendations of the supplier

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0.5		ISO 374-1
Chemically resistant protective gloves	Neoprene rubber (HNBR)	6 (> 480 minutes)	> 0.5		ISO 374-1

8.2.2.3. Respiratory protection

Respiratory protection:

Wear respiratory protection. Use a respirator with a vapour cartridge

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid discharge of the product as is into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Odour	: Slight.
Odour threshold	: Not available
pH	: 1.3 – 1.5 (10%)
Melting point	: Not available
Freezing point	: Not available
Boiling point	: 100 °C (water)
Flash point	: Not available
Explosive limits	: Not available
Vapour pressure	: 23 hPa (water)
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: 1.29 – 1.32 g/cm ³
Relative density	: Not available
Density	: Not available
Solubility	: Water: Completely miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing.

9.2. Other information

Particle characteristics	: Not applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Reacts violently with : Alkalis. Oxidation agents.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

Bases. Oxidation agents. Metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

zinc chloride (7646-85-7)

ATE UK (oral)	1100 mg/kg bodyweight
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ammonium chloride (12125-02-9)

LD50 oral rat	1410 mg/kg bodyweight (equivalent or similar to OECD Guideline 401)
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Skin corrosion/irritation : Causes severe skin burns.
pH: 1.3 – 1.5 (10%)
Serious eye damage/irritation : Causes serious eye damage.
pH: 1.3 – 1.5 (10%)
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

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zinc chloride	
LC50 fish	112 µg/l/96h (Thymallus arcticus)(standard protocol)
NOEC chronic crustacea	74 µg/l (Daphnia magna, 21d)(static test)
NOEC chronic algae	24 µg/l Raphidocelis subcapitata(OECD 201 method)

12.2. Persistence and degradability

Zinn7	
Persistence and degradability	No data available.

zinc chloride (7646-85-7)	
Persistence and degradability	Not applicable (inorganic substance).

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
zinc chloride (7646-85-7)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
ammonium chloride (12125-02-9)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Ethylene glycol (107-21-1)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Propan-2-ol (67-63-0)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII
Hydrochloric acid (7647-01-0)	This product does not contain substances at $\geq 0.1\%$ that meet the PBT criteria of UK REACH regulation, annex XIII This product does not contain substances at $\geq 0.1\%$ that meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Empty the container completely. It shall be recycled or disposed in an approved landfill respecting local regulatory requirements.

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Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

SECTION 14: Transport information

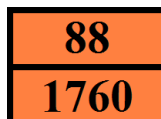
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1760	UN 1760	UN 1760	UN 1760	UN 1760
14.2. UN proper shipping name				
CORROSIVE LIQUID, N.O.S. (Hydrochloric acid ; zinc chloride)	CORROSIVE LIQUID, N.O.S. (Hydrochloric acid ; zinc chloride)	Corrosive liquid, n.o.s. (Hydrochloric acid ; zinc chloride)	CORROSIVE LIQUID, N.O.S. (Hydrochloric acid ; zinc chloride)	CORROSIVE LIQUID, N.O.S. (Hydrochloric acid ; zinc chloride)
14.3. Transport hazard class(es)				
8	8	8	8	8
14.4. Packing group				
I	I	I	I	I
14.5. Environmental hazards				
Dangerous for the environment: True	Dangerous for the environment: True Marine pollutant: Yes	Dangerous for the environment: True	Dangerous for the environment: True	Dangerous for the environment: True

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C9
Special provisions (ADR) : 274
Limited quantities (ADR) : 0
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P001
Mixed packing provisions (ADR) : MP8, MP17
Portable tank and bulk container instructions (ADR) : T14
Portable tank and bulk container special provisions (ADR) : TP2, TP27
Tank code (ADR) : L10BH
Vehicle for tank carriage : AT
Transport category (ADR) : 1
Special provisions for carriage - Operation (ADR) : S20
Hazard identification number (Kemler No.) : 88
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 2X
APP code : B

Transport by sea

Special provisions (IMDG) : 274
Limited quantities (IMDG) : 0

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Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P001
Tank instructions (IMDG)	: T14
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 850
PCA max net quantity (IATA)	: 0.5L
CAO packing instructions (IATA)	: 854
CAO max net quantity (IATA)	: 2.5L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

Inland waterway transport

Classification code (ADN)	: C9
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 0
Excepted quantities (ADN)	: E0
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: C9
Special provisions (RID)	: 274
Limited quantities (RID)	: 0
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P001
Mixed packing provisions (RID)	: MP8, MP17
Portable tank and bulk container instructions (RID)	: T14
Portable tank and bulk container special provisions (RID)	: TP2, TP27
Tank codes for RID tanks (RID)	: L10BH
Special provisions for RID tanks (RID)	: TU38, TE22
Transport category (RID)	: 1
Hazard identification number (RID)	: 88

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

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

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GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure: Hydrochloric acid - 7647-01-0 (> 10 % w/w)

Drug Precursors Regulation (273/2004)

This product contains substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure (Hydrochloric acid - 7647-01-0)

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms:

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor
CAS-No.	Chemical Abstract Service number
EC-No.	European Community number
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
OEL	Occupational Exposure Limit
VME	Valeur Moyenne d'Exposition
LD50	Median lethal dose

Data sources : SDS of suppliers. ECHA (European Chemicals Agency).

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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Zinn7

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, 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
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Met. Corr. 1	H290	Expert judgement
Acute Tox. 4 (Oral)	H302	Calculation method
Skin Corr. 1	H314	On basis of test data
Eye Dam. 1	H318	On basis of test data
STOT SE 3	H335	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

Safety Data Sheet (SDS), UK

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.