

1. Identification

1.1 Product identifier

Product name: - Wet Chemical Fire Extinguisher (model EWCS6FF)

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

Identified uses: - Fire extinguishing UN 1044 (fire rating - class A & F)

1.3 Details of the supplier of the safety data sheet

Company : - Jactone Products Ltd
 Springvale Business Park
 Springvale Avenue
 Bilston
 West Midlands
 WV14 0QL
 UK
 Telephone – +44(0) 1902 357777
 Web – sales@jactone.com

1.4 Emergency Telephone No.

Telephone No. : - As above (office hours 08:30 – 16:30)

2 Hazards Identification

2.1 Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

Hazard pictograms

Signal word	The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]	
Hazard statements	---	---
Precautionary statements	P262	Do not get in eyes, on skin or on clothing
	P280	Wear protective gloves/protective clothing/eye protection/hearing protection/...
	P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Classification procedure	Calculation method.	

2.3 Other hazards

Endocrine disrupting properties

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

This substance does not have endocrine disrupting properties with respect to humans

Results of PBT and vPvB assessment

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES

The substances in the agent mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Can harm the aquatic fauna when entering surface waters.

Can harm the bacteria population in wastewater treatment plants when entering the sewerage system

Fire Extinguisher

The extinguisher is a pressurised container. It must not be pierced or exposed to excessive heat.

Under no circumstances should any attempt be made to remove the valve while still pressurised.

Improper or careless use may cause serious bodily injury or property damage.

3 Composition / information of ingredients – Extinguishing Agent

3.1 Substances

Not applicable

3.2 Mixtures

AGENT INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES

Concentration: 100 - 100%

The substance is not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].

The product does not contain any relevant amounts of substances that are on the SVHC list.

For full text of Hazard- and EU Hazard-statements: see SECTION 16

4 First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately

Wash thoroughly the body (shower or bath).

Observe risk of aspiration if vomiting occurs

When in doubt or if symptoms are observed, get medical advice

Following inhalation

Provide fresh air

Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact

Wash immediately with: Water

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention

4.2 Most important symptoms and effects, both acute and delayed

Dizziness

Nausea

Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

If unconscious but breathing normally, place in recovery position and seek medical advice

IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

5 Firefighting measures

5.1 This is a firefighting product

5.2 Extinguishing agent

The product itself does not burn

Co-ordinate fire-fighting measures to the fire surroundings

5.3 Special hazards arising from the substance or mixture

The product itself does not burn

5.4 Advice for firefighters

Regardless of the admixture of a foam agent, extinguishing water can be heavily contaminated with hazardous substances due to the absorption of fire residues and should therefore, if possible, not enter the sewage system or bodies of water.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation

6.2 Environmental precautions

Cover drains

Do not allow agent to enter into soil/subsoil

Do not allow agent to enter into surface water drains.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Treat the recovered material as prescribed in the section on waste disposal

Suitable material for clean up

Sand

Sawdust

Chemical binding agents, containing acids

6.4 Reference to other sections

Safe handling: see section

Personal protection equipment: see section 8

Disposal: see section 13

7 Handling and storage

7.1 Precaution for safe handling

Avoid

Skin contact with agent

Eye contact with agent

Wear personal protective equipment (refer to section 8)

Measures to prevent fire

The agent is not
Oxidising
Combustible
Flammable
Explosive
Highly flammable
No special fire protection measures are necessary

Environmental precautions

Shafts and sewers must be protected from entry of the product

Advice on general occupational hygiene

When using do not eat, drink, smoke, sniff

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Do not store extinguishers at temperatures above: +50°C

Ideally store in vertical position

7.3 Specific end use(s)

Fire extinguisher for fat fires based on potassium salts
Do not use for cleaning purposes.

Recommendation

Observe technical data sheet

8 Exposure controls / personal protection

8.1 Control parameters

Substance name: ---

CAS No.: ---

REACH No.: ---

Occupational exposure limit values: ---; Limit value type (country of origin): ---

8.2 Exposure controls – extinguishing agent

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes
Remove contaminated, saturated clothing
Wash contaminated clothing prior to re-use
Wash hands before breaks and after work
Apply skin care products after work

Eye/face protection

Suitable eye protection
Eyeglasses with side protection
Goggles
Face protection shield
Recommended eye protection articles
EN 166

Hand protection

Suitable gloves type
Gloves with long cuffs
Suitable material
NBR (Nitrile rubber)
Butyl caoutchouc (butyl rubber)
Breakthrough time
120 min
Thickness of the glove material
> 0.6 mm

Recommended glove articles
 EN ISO 374

Breakthrough times and swelling properties of the material must be taken into consideration

Body protection

Body protection: not required

Respiratory protection

Usually, no personal respiratory protection necessary

Environmental exposure controls

Store agent according to national regulations
 Do not let the agent get into the environment

9 Physical and chemical properties – extinguishing agent

9.1 Information on basic physical and chemical properties

a) Physical state	:	Liquid	
b) Colour	:	Colourless / yellow	
c) Odour	:	Stinging	
d) Melting point/freezing point	:	0°C	EN 1568:2018
e) Boiling point or initial boiling point and boiling range	:	> 100°C	DIN 51751
f) Flammability	:	not applicable	
g) Lower and upper explosion limit/flammability limit	:	No data available	
h) Flash point	:	No flash point up to 100 °C.	
i) Ignition temperature in °C	:	not applicable	
j) Decomposition temperature	:	No data available	
k) pH at 20°C	:	8,0 - 10,0	DIN 19268
l) Viscosity at 20°C	:	< 10 mm ² /s	DIN 51562 Newton
at 0°C	:	< 20 mm ² /s	DIN 51562 Newton
m) Solubility	:	Water: completely miscible	OECD 105
n) Partition coefficient n-octanol/water (log value)	:	not applicable	
o) Vapour pressure	:	No data available	
p) Density and/or	:		
relative density at 20°C	:	1,080 - 1,120 g/ml	DIN 12791
q) Relative vapour density	:	No data available	
r) particle characteristics	:	not applicable	

9.2 Other information

Information with regard to physical hazard classes

a) Explosives	:	not applicable
b) Aerosols	:	not applicable
c) Oxidising gas	:	not applicable
d) Gases under pressure	:	not applicable
e) Flammable liquids	:	not applicable
f) Flammable solids	:	not applicable
g) Self-reactive substances and mixtures	:	not applicable
h) Pyrophoric liquids	:	not applicable
i) Pyrophoric solids	:	not applicable
j) Self-heating substances and mixtures	:	not applicable
k) Substances or mixtures which, in contact with water, emit flammable gases	:	not applicable
l) Oxidising liquids	:	not applicable
m) Oxidizing solids	:	not applicable
n) Organic peroxides	:	not applicable

o) Corrosive to metals	:	See section 7
p) Desensitised explosives	:	not applicable
	:	
Other safety characteristics	:	not applicable
a) Mechanical sensitivity	:	not applicable
b) Self-accelerating polymerisation temperature (SAPT)	:	not applicable
c) formation of explosible dust/air mixtures	:	not applicable
d) ACid/alkaline reserve	:	not applicable
e) Evaporation rate	:	No data available
f) Miscibility	:	Water: completely miscible
g) Conductivity	:	> 20000 µS/cm
h) Corrosiveness	:	Skin corrosion/irritation: none Serious eye damage/irritation: none
i) Gas group	:	not applicable
j) Redox potential	:	not applicable
k) Radical formation potential	:	not applicable
l) Photocatalytic properties	:	not applicable

Additional hazards

Breathing is not possible whilst submerged in the foam. Take care when spraying people
Care should be taken when handling extinguishers as they are heavy

10 Stability and reactivity – extinguishing agent

10.1 Reactivity

Materials to avoid

- Alkali (lye), concentrated
- Alkali metals
- Acid, concentrated
- Oxidising agent, strong
- Reducing agent, strong
- Acid halides

10.2 Chemical stability

No special measures are necessary

10.3 Possibility of hazardous reactions

No special measures are necessary

10.4 Conditions to avoid

Do not store at temperatures above +50°C

10.5 Incompatible materials

See section 7. No additional measures necessary

10.6 Hazardous decomposition products

11 Toxicology information – extinguishing agent

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

a) Acute toxicity

Acute oral toxicity

Preparation related information

LD50 > 2000 mg/kg the acute oral toxicity is corresponding to GHS-category 5.
Species Rat
Method Calculation method

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].
No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

Acute dermal toxicity

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].
No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

Acute inhalation toxicity

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

The substances are not classified as dangerous according to Regulation (EC) No. 1272/2008 [CLP].
No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

b) Skin corrosion/irritation

Preparation related information

non-irritant

Species ---

Method Calculation method

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

non-irritant. - (Source: Safety Data Sheet)

c) Serious eye damage/irritation

Preparation related information

non-irritant

Species - - -

Method Calculation method.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

non-irritant.

(Source: Safety Data Sheet)

d) Respiratory or skin sensitisation

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

not sensitising.

(Source: Safety Data Sheet)

e) Germ cell mutagenicity

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No indications of human germ cell mutagenicity exist.

(Source: Safety Data Sheet)

f) Carcinogenicity

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No indication of human carcinogenicity.

(Source: Safety Data Sheet)

g) Reproductive toxicity

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No indications of human reproductive toxicity exist.

(Source: Safety Data Sheet)

h) STOT-single exposure

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No known symptoms to date.

(Source: Safety Data Sheet)

i) STOT-repeated exposure

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No known symptoms to date.

(Source: Safety Data Sheet)

j) Aspiration hazard

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No known symptoms to date.

(Source: Safety Data Sheet)

11.2 Information on other hazards

Endocrine disrupting properties

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

This substance does not have endocrine disrupting properties with respect to humans.

(Source: Safety Data Sheet)

Other information

12 Ecological information – extinguishing agent

12.1 Toxicity

Acute (short-term) fish toxicity

Preparation related information

Effective dose LC50 : > 100 < 1000* mg/L

Exposure time : 96 h

Species : Leuciscus idus (golden orfe)

Method : Bridging principle "Substantially similar mixtures".

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No classification in the above-mentioned hazard class

(Source: Safety Data Sheet)

Acute (short-term) toxicity to aquatic invertebrates

Preparation related information

Effective dose EC50 : > 1000* mg/L
Exposure time : 24 h
Species : Daphnia magna (Big water flea)
Method : Bridging principle "Substantially similar mixtures".

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

Acute (short-term) toxicity to algae and cyanobacteria

Preparation related information

Effective dose EC50 : > 100 < 1000* mg/L
Exposure time : 72 h
Species : Scenedesmus subspicatus
Method : Bridging principle "Substantially similar mixtures"

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

Effects in sewage plants

Preparation related information

Analytical method : Respiratory inhibition of municipal activated sludge
10000* mg/L ► Concentration : 100% Dilution : > 100*
Method : Bridging principle "Substantially similar mixtures".

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No classification in the above-mentioned hazard class
(Source: Safety Data Sheet)

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

The product may lead to foaming in sewage plants.

Remark

Observe local regulations concerning effluent treatment

Special pre-treatments are necessary

* The statement is derived from products of similar structure or composition

12.2 Persistence and degradability

Biodegradation

Preparation related information

Readily biodegradable (according to OECD criteria).
Degradation rate : > 90%*
Test duration : 28 d
Analytical method : BOD (% of COD).
Method : Bridging principle "Substantially similar mixtures".
Type : Aerobic biological treatment

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

> 70% (28d) OECD 301

Readily biodegradable (according to OECD criteria).

(Source: Safety Data Sheet)

Chemical oxygen demand (COD)

< 30000* mg *O₂/L ► Concentration : 100% Method : DIN EN 38409-H41-1

Biochemical oxygen demand

< 30000* mg *O₂/L ► Concentration : 100% Method : DIN EN 1899-1 Test duration 5d

BOD₅/COD ratio

100%

* The statement is derived from products of similar structure or composition

12.3 Bioaccumulative potential

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

No classification in the above-mentioned hazard class

No information available. No classification in the above-mentioned hazard class

(Source: Safety Data Sheet)

12.4 Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

12.5 Results of PBT and vPvB assessment

Preparation related information

There are no data available on the mixture itself.

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

(Source: Safety Data Sheet)

12.6 Endocrine disrupting properties

Preparation related information

There are no data available on the mixture itself

Information on ingredients

INGREDIENTS NOT CLASSIFIED AS HAZARDOUS SUBSTANCES:

This substance does not have endocrine disrupting properties with respect to humans.

(Source: Safety Data Sheet)

12.7 Other adverse effect

13 Disposal considerations

13.1 Waste treatment methods.

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste
Dispose of waste according to applicable legislation

Waste codes/waste designations according to EWC/AVV

Waste code product

06 WASTES FROM INORGANIC CHEMICAL PROCESSES
0603 wastes from the MFSU of salts and their solutions and metallic oxides
060314 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Waste code packaging

15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
1501 packaging (including separately collected municipal packaging waste)
150110* packaging containing residues of or contaminated by dangerous substances

Remark

Delivery to an approved waste disposal company
Send to a hazardous waste incinerator facility under observation of official regulations

13.2 Cylinder / valve assembly can be recycled via normal metal recycling routes; plastic parts should be disposed of in accordance with local regulations / directives.

14 Transport information – extinguisher

14.1	UN Number: -	UN1044
14.2	UN proper shipping name: -	Fire Extinguisher with compressed or liquified gas
14.3	Transport Hazard Class(es) Class: -	2
14.4	Label(s): -	2.2
14.5	Hazard No. (ADR): -	-
14.6	Tunnel restriction code: -	(E) 3
14.7	Emergency Action Code: -	2T
14.8	Packing Group: -	-
14.9	Packing instruction: -	P003
14.10	Special packing instructions: -	PP91
14.11	Environmental hazards: -	none
14.12	Special provisions: -	225 / 594

15 Regulatory information

15.1 Portable extinguisher Product specification EN3-7:2004 +A1:2007

CE 2797 (PED) / UKCA 0086 (PESR)

15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture EU legislation

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer
not applicable

Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals
not applicable

Directive 96/59/EC (PCB-guideline)
not applicable

Regulation (EC) No. 648/2004 [Detergents regulation]

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Volatile organic compounds (VOC) content in percent by weight: max. 0

Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases
not applicable

Regulation (EC) No 2019/1021 [POP/PFOS-Regulation]

The product is manufactured without the intended addition of organofluorine compounds for the purpose of increasing performance and therefore does not contain any amount of organofluorine substances beyond the regional ubiquitous background pollution (e.g. in the drinking water used for production).

Regulation (EC) No 2020/784 [PFOA-Regulation]

The product is manufactured without the intended addition of organofluorine compounds for the purpose of increasing performance and therefore does not contain any amount of organofluorine substances beyond the regional ubiquitous background pollution (e.g. in the drinking water used for production).

Regulation (EC) No 2021/1297 [C9-C14-PFCA-Regulation]

The product is manufactured without the intended addition of organofluorine compounds for the purpose of increasing performance and therefore does not contain any amount of organofluorine substances beyond the regional ubiquitous background pollution (e.g. in the drinking water used for production).

Water hazard class

Slightly hazardous to water (WGK 1)
Self-classification according to AwSV (mixture).

15.3 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out

16 Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge and may be subject to change without notification. The information is designed only as guidance for the safe handling, use, maintenance, storage, transportation, and disposal and is not to be considered a warranty or quality specification.