

Water and Foam Extinguisher (EX-1 and EX-1BT)

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

1.1 - Product identifier

Trade name/designation Water and Foam Extinguisher (EX-1 and EX-1BT)

Chemical name

Product-type Mixture

Product code E6A15 - E6A15EV - AL6 S - AL6SKF - E9A1 - E9A1EV - AL9S - E45A1- E45A2 - SE45A2 - E45BF - E85A2 - E85BF - AL45SK - SE45 - SE135A2

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

Relevant identified uses - Fire extinguishing, fireplaces A and B

Uses advised against - No information available.

1.3 - Details of the supplier of the safety data sheet

USINES DESAUTEL

5 Boulevard du Maréchal de Lattre de Tassigny

69330 Meyzieu

Telephone : 04.72.45.06.06 Fax 04.72.02.73.95 Website <https://www.desautel.fr>

sécurité Contact: 04.72.45.06.06 info.meyzieu@desautel.fr

1.4 - Emergency telephone number

- ORFILA (INRS) + 33 (0)1 45 42 59 59 France

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Not Classified | Not classified

2.2 - Label elements

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

Signal word : None

Pictograms : None

Hazard statements : None

Precautionary statements : None

EUH-phrases : None

2.3 - Other hazards

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

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

Other hazards which do not result in classification - No information available.

Water and Foam Extinguisher (EX-1 and EX-1BT)

SECTION 3: Composition / information on ingredients

- not applicable

3.1 - Substances

Not applicable

- not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
Water	CAS No. : 7732-18-5 Index No. : EC No. : 231-791-2	> 75 - <= 100	Not Classified -	Not applicable
carbon dioxide	CAS No. : 124-38-9 Index No. : EC No. : 204-696-9	>= 0,1 - < 1	Gaz liquéfié - H280	Not applicable
2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	CAS No. : 112-34-5 Index No. : 603-096-00-8 EC No. : 203-961-6 REACH No. : 01-2119475104-44	>= 0,1 - < 1,5	Eye Irrit. 2 - H319	Not applicable
methanol	CAS No. : 67-56-1 Index No. : 603-001-00-X EC No. : 200-659-6 REACH No. : 01-2119433307-44-xxxx	> 0,01 - < 0,1	Acute Tox. 3 Dermal - H311 Acute Tox. 3 Inhalation - H331 Acute Tox. 3 Oral - H301 Flam. Liq. 2 - H225 STOT SE 1 - H370	STOT SE 1 - H370 : 10>=%<=100 STOT SE 2 - H371 : 3>=%<10

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact

- Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

Water and Foam Extinguisher (EX-1 and EX-1BT)

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders - No information available.

Water and Foam Extinguisher (EX-1 and EX-1BT)

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- The fire extinguisher is a pressure vessel that must only be opened by qualified personnel.
- Maintenance operations must be performed by qualified and qualified personnel.
- Before dismantling the unit, always check the absence of internal pressure, do not position your head above the fire extinguisher. Recover the used fire extinguishing charge for destruction by an approved die.
- Spare parts used in maintenance must conform to the certified model.

Advices on general occupational hygiene

- Used working clothes should not be worn outside the work area.
- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Store in a place accessible by authorized persons only.

7.3 - Specific end use(s)

- Fire extinguishing agent

Water and Foam Extinguisher (EX-1 and EX-1BT)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (112-34-5)

VME ppm (FR)	10 ppm
VME mg/m3 (FR)	67,5 mg/m3
VLE ppm (FR)	15 ppm
VLE mg/m3 (FR)	101,2 mg/m3

methanol (67-56-1)

VME ppm (FR)	200 ppm
VME mg/m3 (FR)	260 mg/m3
VLE ppm (FR)	1000 ppm
VLE mg/m3 (FR)	1300 mg/m3

8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment

- Consumer uses: Private households (= general public = consumers)
- No special measures are necessary.
- According to experience this refers to the following tasks:
Maintenance and service
- Protective gloves

- Eye protection



Environmental exposure controls - Further information: see technical data sheet.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Solid	<u>Appearance</u>	Liquid
<u>Colour</u>	selon designation produit	<u>Odour</u>	characteristic

Water and Foam Extinguisher (EX-1 and EX-1BT)

Odour threshold	No data available
pH	not determined
Melting point	No data available
Freezing point	No data available
Boiling point	not determined
Flash point	not applicable
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
9.2 - Other information	
VOC content	not determined
Minimum ignition energy	not determined
Conductivity	not determined

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

Water and Foam Extinguisher (EX-1 and EX-1BT)

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Water and Foam Extinguisher (EX-1 and EX-1BT)

Aspiration hazard - Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

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

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

12.7 - Other adverse effects

- No information available.

Water and Foam Extinguisher (EX-1 and EX-1BT)

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - Do not allow run-off from fire-fighting to enter drains or watercourses.
- Do not allow to enter into surface water or drains.

Special precautions for waste treatment - Recover the used fire extinguishing charge for destruction by an approved die.

Community or national or regional provisions - Dispose according to legislation.

SECTION 14: Transport information

14.1 - UN number

UN number (ADR) : UN1044

UN number (RID) : UN1044

UN number (ADN) : UN1044

UN number (IMDG) : UN1044

UN number (IATA) : UN1044

14.2 - UN proper shipping name

UN proper shipping name (ADR) : FIRE EXTINGUISHERS with compressed or liquefied gas (carbon dioxide) (ADR)

UN proper shipping name (RID) : FIRE EXTINGUISHERS with compressed or liquefied gas (carbon dioxide) (RID)

UN proper shipping name (ADN) : FIRE EXTINGUISHERS with compressed or liquefied gas (carbon dioxide) (ADN)

UN proper shipping name (IMDG) : FIRE EXTINGUISHERS with compressed or liquefied gas (carbon dioxide) (IMDG)

UN proper shipping name (IATA) : FIRE EXTINGUISHERS with compressed or liquefied gas (carbon dioxide) (IATA)

14.3 - Transport hazard class(es)

Water and Foam Extinguisher (EX-1 and EX-1BT)

ADR Transport hazard class(es) : 2

ADR Classification code: : 6A

Pictograms



Transport hazard class(es) (RID) : 2

Pictograms



Transport hazard class(es) (ADN) : 2

Pictograms



Transport hazard class(es) (IMDG) : 2

Pictograms



Transport hazard class(es) (IATA) : 2

Pictograms



14.4 - Packing group

Packing group :

Packing group (RID) :

Packing group (ADN) :

Packing group (IMDG) :

Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

14.6 - Special precautions for user

Water and Foam Extinguisher (EX-1 and EX-1BT)

ADR

<u>ADR Classification code:</u>	:	6A
<u>ADR Special provisions</u>	:	225+594
<u>ADR Limited quantity (LQ)</u>	:	120 ml
<u>ADR Excepted quantities</u>	:	E0
<u>ADR Packing instructions</u>	:	P003
<u>ADR Special packing provisions</u>	:	PP91
<u>ADR Mixed packing provisions</u>	:	MP9
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>ADR tank code</u>	:	
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	E
<u>ADR Special provisions loading, unloading and handling</u>	:	CV9
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	
<u>ADR Hazard identification number (Kemler No.)</u>	:	

RID

<u>Special provisions</u>	:	225, 594
<u>Limited quantity (LQ)</u>	:	120 ml
<u>Excepted quantities</u>	:	E0

ADN

<u>Special provisions</u>	:	225, 594
<u>Limited quantity (LQ)</u>	:	120 ml
<u>Excepted quantities</u>	:	E0

Water and Foam Extinguisher (EX-1 and EX-1BT)

IMDG

<u>Special provisions</u>	:	225
<u>Limited quantity (LQ)</u>	:	120 ml
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u> : P003 <u>Special packing provisions</u>	:	
PP91		
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	<u>Special provisions for portable tanks and bulk containers</u>
<u>EmS codes</u>	:	F-C,S-V
<u>Stowage and handling</u>	:	Catégorie A
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Fire extinguishers, containing compressed or liquefied gases under pressure above 175 kPa for expelling fire-extinguishing contents.

IATA

<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Interdit
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	Interdit
<u>PCA - Packing Instructions</u>	:	213
<u>PCA - Maximum Net Quantity per Package</u>	:	75 kg
<u>CAO - Packing Instructions</u>	:	213
<u>CAO - Maximum Net Quantity per Package</u>	:	150 kg
<u>Special Provisions</u>	:	A19
<u>ERG Code</u>	:	2L
14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		
- Not applicable		

SECTION 15: Regulatory information

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

Substances REACH candidates _____ None

Substances Annex XIV _____ None

Substances Annex XVII 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (Index No.: 603-096-00-8 - EC No.: 203-961-6 - CAS No.: 112-34-5)

VOC content _____ No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

Water and Foam Extinguisher (EX-1 and EX-1BT)

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
2	23/05/2023	

Abbreviations and acronyms

- Aquatic Chronic 3: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 3
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA: International Air Transport Association
- Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2
- Skin Sens. 1: Sensibilisation cutanée – Catégorie 1 - SVHC substance.
- Land transport (ADR/RID)

Data sources:

Supplier

[Http://echa.europa.eu/](http://echa.europa.eu/)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Texts of the regulatory sentences

Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Gaz liquéfié	Liquefied gas
H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H331	Toxic if inhaled

Water and Foam Extinguisher (EX-1 and EX-1BT)

H370	Causes damage to organs or state all organs affected, if known - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
Not Classified	Not classified
STOT SE 1	STOT-single exposure - Category 1

Training advice - Observe technical data sheet.

In conformity with Regulation (EC) No 2020/878 The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Observe technical data sheet.

*** **