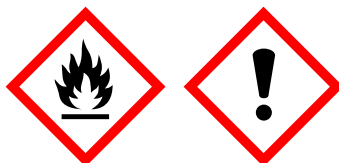


BSX233
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Warning



Responsible for distribution

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Zone C ACTIVALIS, rue Jules Bordet
7180 SENEFFE Belgium
TEL : +32 64 55 50 95
FAX: +32 64 55 70 52
EMAIL : contact@uniteq.biz

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

1.1. Product identifier

Identification of the product : Liquid.
Trade name : BSX233
Type of product : Extinguishing product

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

Use : Fire extinguishing agent
Sector of use category : SU10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Chemical product category : PC0: Other (use UCN codes: see last row)
Process category : PROC7: Industrial spraying
Environmental release category : ERC2: Formulation of preparations

1.3. Details of the supplier of the safety data sheet

Company identification : UNITEQ SA
Zone C ACTIVALIS, rue Jules Bordet
7180 SENEFFE Belgium
TEL : +32 64 55 50 95
FAX: +32 64 55 70 52
EMAIL : contact@uniteq.biz

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7180 SENEFFE Belgium
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EMAIL : contact@uniteq.biz

1.4. Emergency telephone number

Phone nr : TEL : +32 64 55 50 95
Emergency phone nr : TEL : +32 64 55 50 95

SECTION 2 Hazards identification

Dangerous product : This product is flammable.
Primary route of exposure : Inhalation. Eyes contact. Skin contact.
Symptoms relating to use
- Inhalation : Inhalation of vapours may cause respiratory irritation. Cough.
- Skin contact : Irritating to skin.
- Eye contact : Redness, pain. Blurred vision. Tears. Risk of serious damage to eyes.

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SECTION 2 Hazards identification (continued)

- Ingestion : Burning sensation. Cough. Cramps. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Swallowing a small quantity of this material will result in serious health hazard.
Must not come into contact with food or be consumed.

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : R10
Xi; R36

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



R Phrase(s)

: Xi : Irritant
: R10 : Flammable.
R36 : Irritating to eyes.

S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Contains

: Ethanol
Urea

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms

: SGH02 - SGH07

• Precautionary statements

2.3. Other hazards

Other hazards : None under normal conditions.

SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation

Substance / Preparation : Preparation.

Components : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Ethanol	: Between 5 and 10 %	64-17-5	200-578-6	603-002-00-5	----	F; R11 ----- Flam. Liq. 2;H225
Urea	: Between 0.5 and 5 %	57-13-6	200-315-5	-----	----	Xi; R36/37/38 ----- Undefined. (GHS)

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SECTION 4 First aid measures

4.1. Description of first aid measures

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

- Inhalation : Assure fresh air breathing.
- Skin contact : Flush with plenty of water.
- Eye contact : Seek medical attention immediately.
- Ingestion : Seek medical attention immediately.

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

First aid measures

- Inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical advice.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.
- Ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

SECTION 5 Firefighting measures

5.1. Extinguishing media

- Extinguishing media : Powder. Sand. Carbon dioxide (CO₂). Water.

5.2. Special hazards arising from the substance or mixture

- Specific hazards : May form flammable/explosive vapour-air mixture.
- Hazardous combustion products : Thermal decomposition generates : Corrosive vapours.

5.3. Advice for firefighters

- Flammable class : This product is flammable.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Prevention : No naked lights. No smoking.
- Special procedures : Exercise caution when fighting any chemical fire.
- Surrounding fires : Use water spray or fog for cooling exposed containers.

SECTION 6 Accidental release measures

6.4. Reference to other sections

See Heading 8.

- General precautions : Remove ignition sources.
- Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.
- Clean up methods : Collect spills and put it into appropriated container.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

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SECTION 7 Handling and storage (continued)

- Handling** : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Handle empty containers with care because residual vapours are flammable.
- Technical protective measures** : Both local exhaust and general room ventilation are usually required.
Proper grounding procedures to avoid static electricity should be followed.
- General** : No naked lights. No smoking. Store and handle as though always a serious potential fire/explosion and health hazard exists.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Keep in fireproof place. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Do not store in corrodable metal.
- Storage - away from** : Heat sources. Direct sunlight.
- Precautions in handling and storage** : In use, may form flammable vapour-air mixture.

7.3. Specific end use(s)

Not applicable.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Ethanol : TLV© -TWA [ppm] : 1000
 Ethanol : OEL (UK)-LTEL [ppm] : 1000
 Ethanol : LTEL - UK [mg/m³] : 1920
 Ethanol : LTEL - UK [ppm] : 1000
 Ethanol : VLE - France [mg/m³] : 9500
 Ethanol : VLE - France [ppm] : 5000
 Ethanol : VME - France [mg/m³] : 1900
 Ethanol : VME - France [ppm] : 1000
 Ethanol : Arbeitsplatzgrenzwert AGW - Germany [mg/m³] TRGS 900 : 960
 Ethanol : MAK - Germany [ppm] : 500
 Ethanol : Spitzenbegrenzung / Überschreitungsfaktor AGW - Germany TRGS 900 : 2
 Ethanol : MAK (AU) Tagesmittelwert (ml/m³) : 1000
 Ethanol : MAK (AU) Tagesmittelwert (mg/m³) : 1900
 Ethanol : MAK (AU) Kurzzeitwerte (ml/m³) : 2000
 Ethanol : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
 Ethanol : VLA-ED [ppm] : 1000
 Ethanol : VLA-ED [mg/m³] : 1910
 Ethanol : NGV - [ppm] : 500
 Ethanol : NGV - [mg/m³] : 1000
 Ethanol : KTV - [ppm] : 1000
 Ethanol : KTV - [mg/m³] : 1900
 Ethanol : Grænserværdier (DK) (ppm) : 1000
 Ethanol : HTP-vården - 8 H - [ppm] : 1000
 Ethanol : HTP-vården - 8 H - [mg/m³] : 1900
 Ethanol : HTP-vården - 15min - [ppm] : 1300
 Ethanol : Grænserværdier (DK) : 1900
 Ethanol : HTP-vården - 15min - [mg/m³] : 2500
 Ethanol : GV Value Limit (Norway) [ppm] : 500
 Ethanol : GV Value Limit (Norway) [mg/m³] : 950
 Ethanol : 8-Hour TWA (PL) (NDS) (mg/m³) : 1900
 Ethanol : TLV-TWA (Belgium) (ppm) : 1000
 Urea : TLV - ACGIH [mg/m³] : 10
 Urea : OSHA PEL [mg/m³] : 15

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SECTION 8 Exposure controls/personal protection (continued)

8.2. Exposure controls

Personal protection

- Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Chemical goggles or face shield with safety glasses.
- Ingestion : When using, do not eat, drink or smoke.

Industrial hygiene

- Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
- Provide local exhaust or general room ventilation.

Occupational Exposure Limits

- Ethanol : TLV© -TWA [ppm] : 1000
- Ethanol : OEL (UK)-LTEL [ppm] : 1000
- Ethanol : LTEL - UK [mg/m³] : 1920
- Ethanol : LTEL - UK [ppm] : 1000
- Ethanol : VLE - France [mg/m³] : 9500
- Ethanol : VLE - France [ppm] : 5000
- Ethanol : VME - France [mg/m³] : 1900
- Ethanol : VME - France [ppm] : 1000
- Ethanol : Arbeitsplatzgrenzwert AGW - Germany [mg/m³] TRGS 900 : 960
- Ethanol : MAK - Germany [ppm] : 500
- Ethanol : Spitzenbegrenzung / Überschreitungsfaktor AGW - Germany TRGS 900 : 2
- Ethanol : MAK (AU) Tagesmittelwert (ml/m³) : 1000
- Ethanol : MAK (AU) Tagesmittelwert (mg/m³) : 1900
- Ethanol : MAK (AU) Kurzzeitwerte (ml/m³) : 2000
- Ethanol : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
- Ethanol : VLA-ED [ppm] : 1000
- Ethanol : VLA-ED [mg/m³] : 1910
- Ethanol : NGV - [ppm] : 500
- Ethanol : NGV - [mg/m³] : 1000
- Ethanol : KTV - [ppm] : 1000
- Ethanol : KTV - [mg/m³] : 1900
- Ethanol : Grænserværdier (DK) (ppm) : 1000
- Ethanol : HTP-vården - 8 H - [ppm] : 1000
- Ethanol : HTP-vården - 8 H - [mg/m³] : 1900
- Ethanol : HTP-vården - 15min - [ppm] : 1300
- Ethanol : Grænserværdier (DK) : 1900
- Ethanol : HTP-vården - 15min - [mg/m³] : 2500
- Ethanol : GV Value Limit (Norway) [ppm] : 500
- Ethanol : GV Value Limit (Norway) [mg/m³] : 950
- Ethanol : 8-Hour TWA (PL) (NDS) (mg/m³) : 1900
- Ethanol : TLV-TWA (Belgium) (ppm) : 1000
- Urea : TLV - ACGIH [mg/m³] : 10
- Urea : OSHA PEL [mg/m³] : 15

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

- Physical state at 20 °C : Liquid.
- Colour : Yellow-brown.

9.1.b. Odour

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SECTION 9 Physical and chemical properties (continued)

Odour : Characteristic.

9.1.d. pH

pH value : 8.0-10

9.1.e. Melting point / Freezing point

No reliable data available.

9.1.f. Initial boiling point - boiling range

No reliable data available.

9.1.g. Flash point

Flash point [°C] : 47

9.1.h. Evaporation rate

No reliable data available.

9.1.i. Flammability

No reliable data available.

9.1.j. Explosion limits (lower - upper)

No reliable data available.

9.1.k. Vapour pressure

No reliable data available.

9.1.l. Vapour density

No reliable data available.

9.1.m. Relative density

Density : 1.07

9.1.n. Solubility

Solubility in water : Complete.

9.1.o. Partition coefficient : n-octanol / water

No reliable data available.

9.1.p. Auto-ignition temperature

No reliable data available.

9.1.q. Thermal decomposition

No reliable data available.

9.1.r. Viscosity

No reliable data available.

Viscosity

9.1.s. Explosive Properties

No reliable data available.

9.2. Other information

Refraction index (°) : 1.39

SECTION 10 Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

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SECTION 10 Stability and reactivity (continued)

Stability and reactivity : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Strong oxidizing agents.

10.4. Conditions to avoid

Conditions to avoid : Open flame. Overheating. Direct sunlight.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition generates : Corrosive vapours. May release flammable gases.

Hazardous properties : May form flammable/explosive vapour-air mixture.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

O.E.C.D. guideline n°404 (dermal irritation) : BSX 233 must not be classified.

O.E.C.D. guideline n°405 (eye irritation) : BSX 233 must be classified R36 "irritating to eyes". The item is to be characterised by the symbol "Xi" and the warning label "irritant"

SECTION 12 Ecological information

12.1. Toxicity

Ecological effects information : OECD 302B resp. EU C.9 : The test substance can be considered as "inherently biodegradable".

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

General : Hazardous waste.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

General information : Not classified as dangerous in the meaning of transport regulations.
Not regulated

SECTION 15 Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

In accordance with the Regulation EC No. 1272/2008 on classification, labelling and packaging of substances and mixtures, the test item must be classified in category 2 "irritating to eyes". The signal word "Warning" and hazard statement H319 "Causes serious eye irritation" are required.

R Phrase(s) : R10 : Flammable.
R36 : Irritating to eyes.

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SECTION 15 Regulatory information (continued)

S Phrase(s) : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

SECTION 16 Other information

List of relevant R phrases (§ 3) : R10 : Flammable. - R36 : Irritating to eyes.
Revision : 2
Print date : 16 / 1 / 2013
Further information : None.

End of document