

Chemical Smell Spray 150 ml. Aerosol

11037-02-06

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

Format : Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

1.1 Identification of the product : Aerosol.

Trade name : Chemical Smell Spray 150 ml. Aerosol

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

Use : Industrial.

1.3 Details of the supplier of the safety data sheet

Company identification : FireWare BV
De Stek 5
1771 SP Wieringerwerf Netherlands
Tel. : +31(0)88-2526000
Fax : +31(0)88-2526090
info@fireware.nl

1.4 Emergency telephone number

Emergency phone nr : +31(0)88-2526000 (8.00 - 17.00 5/d)
Nationaal Vergifingen Informatie Centrum (NIVC)
Tel. : +31(0)30/2748888 (24h / 7d)

SECTION 2 Hazards identification

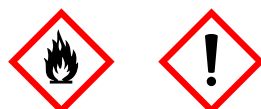
2.1 Classification of the substance or mixture

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

- **Health hazards** : Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
- **Physical hazards** : Flammable aerosols - Category 1 - Danger - (CLP : Flam. Aerosol 1) - H222

2.2 Label elements

• Hazard pictograms



• **Signal words** : Danger

• **Hazard statements** : H222 - H229 Extremely flammable aerosol. Pressurized container: May burst if heated
H319 - Causes serious eye irritation

• Pictograms (Precautionary statements)



General : P101 - If medical advice is needed, have product container or label at hand

Prevention :
P210 - Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P260 - Do not breathe vapours/spray.

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SECTION 2 Hazards identification (continued)

Response : P305B - IF IN EYES : 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.

Storage : P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F

Disposal considerations : P501 - Dispose in a safe manner in accordance with local/national regulations.

2.3 Other hazards

Other hazards :
Resultaten van PBT- en zPzB- beoordeling
PBT : Niet bruikbaar
PBZ : Niet bruikbaar
None under normal conditions.

SECTION 3 Composition/information on ingredients

Substance / Preparation

Components : Mixture of substances listed below with nonhazardous additions.

Substance name	Contents	CAS No	EC No	Annex No	Registration number	Classification
Butane n-	: 10 - 15 %	106-97-8	203-448-7	601-004-00-0	01-2119474691-32	F+; R12 Flam. Gas 1;H220 Liquefied gas;H280
Propane	: 10 - 15	74-98-6	200-827-9	601-003-00-5	601-003-00-5	F+; R12 Flam. Gas 1;H220 Liquefied gas;H280
Isobutane	: 1 - 5 %	75-28-5	200-857-2	601-004-00-0	01-2119485395-27	F+; R12 Flam. Gas 1;H220 Liquefied gas;H280
Dimethyl sulfide	: 1 - 5	75-18-3	200-846-2	----	01-2119487127-32-XXXX	F; R11 Xn; R22 Flam. Sol. 1;H228 Acute Tox. 4 (Oral);H302
Ethanol	: 60 100 %	64-17-5	200-578-6	603-002-00-5	2119457610-43	F; R11 Xi; R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319
Propan-2-ol	: 5 - 10 %	67-63-0	200-661-7	603-117-00-0	01-2119457558-25	F; R11 R67 Xi; R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE3; H336

SECTION 4 First aid measures

4.1 Description of first aid measures

- General information** : Symptoms often do not appear for several hours.
Seek medical attention if ill effect develops.
- Inhalation** : Assure fresh air breathing.
If you feel unwell, seek medical advice (show the label where possible).
Keep victim warm and rested.
- Skin contact** : Wash skin with mild soap and water.
- Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Obtain medical attention if pain, blinking, tears or redness persist.

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SECTION 4 First aid measures (continued)

- **Ingestion** : Give water to drink if victim completely conscious/alert.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media** : Powder.
Water fog.
Carbon dioxide.
Alcohol resistant foam.
- **Unsuitable extinguishing media** : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

- Specific hazards** : When heated to decomposition, emits dangerous fumes.
Produces dense black smoke when burning, obscuring vision.

5.3 Advice for firefighters

- Flammable class** : This product is flammable.
- Special protective equipment for fire fighters** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Prevent entry to sewers and public waters.
Use water spray or fog for cooling exposed containers.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General precautions** : Dispose in a safe manner in accordance with local/national regulations.
- Personal precautions** : Eliminate ignition sources.
Respiratory protection equipment may be necessary.
Wear suitable protective clothing and gloves.
Keep public away from danger area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.
Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it.
Isolate small containers presenting a leak. Use suitable disposal containers.
- Special precautions** : Ensure adequate air ventilation.

6.4 Reference to other sections

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SECTION 6 Accidental release measures (continued)

See headings 7,8 and 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Handling

: Both local exhaust and general room ventilation are usually required.
Proper grounding procedures to avoid static electricity should be followed.
Keep away from sources of ignition - No smoking.

Precautions in handling and storage

: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: Store in accordance with local, regional, national or international regulation.
Store in dry, cool, well-ventilated area.
Keep away from : strong acids, bases.

7.3 Specific end use(s)

No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Personal protection

: Keep away from food, drink and animal feeding stuffs.
Do not breathe gas, fumes, vapour or spray.
Avoid contact with skin and eyes.
Wash hands before breaks and at the end of work.
Avoid all unnecessary exposure.

- Respiratory protection

: In case of insufficient ventilation, wear suitable respiratory equipment.

- Skin protection

: None under normal conditions.

- Eye protection

:
Eye protection should only be necessary where liquid could be splashed or sprayed.

- Hand protection

: None under normal conditions.

Industrial hygiene

:
Keep away from food, drink and animal feeding stuffs.

8.2 Exposure controls

Occupational Exposure Limits

: Ethanol : TGG 8 uur (nl) (mg/m³) : 1000
Ethanol : MAK - Germany [ppm] : 500
Ethanol : MAK - Germany [mg/m³] : 960
Ethanol : VME - France [ppm] : 1000
Ethanol : VME - France [mg/m³] : 1900
Ethanol : VLE - France [ppm] : 5000
Ethanol : VLE - France [mg/m³] : 9500
Ethanol : LTEL - UK [ppm] : 1000
Ethanol : LTEL - UK [mg/m³] : 1920
Ethanol : TLV© -TWA [ppm] : 1000

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SECTION 8 Exposure controls/personal protection (continued)

Ethanol : MAK (AU) Tagesmittelwert (ml/m³) : 1000
 Ethanol : MAK (AU) Tagesmittelwert (mg/m³) : 1900
 Ethanol : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
 Ethanol : MAK (AU) Kurzzeitwerte (ml/m³) : 2000
 Propane : TLV© -TWA [ppm] : 2500
 Propane : MAK - Germany [mg/m³] : 1000
 Propane : MAK - Germany [ppm] : 1800
 Propane : TGG 8 uur (nl) (mg/m³) : 1000
 Butane n- : TGG 8 uur (nl) (mg/m³) : 500
 Butane n- : MAK - Germany [ppm] : 1000
 Butane n- : MAK - Germany [mg/m³] : 2400
 Butane n- : VME - France [ppm] : 800
 Butane n- : VME - France [mg/m³] : 1900
 Butane n- : STEL - UK [mg/m³] : 750
 Butane n- : LTEL - UK [ppm] : 1810
 Butane n- : LTEL - UK [ppm] : 600
 Butane n- : LTEL - UK [mg/m³] : 1450
 Butane n- : TLV© -TWA [ppm] : 800
 Propan-2-ol : TGG 8 uur (nl) (mg/m³) : 200
 Propan-2-ol : MAK - Germany [ppm] : 200
 Propan-2-ol : MAK - Germany [mg/m³] : 500
 Propan-2-ol : VLE - France [ppm] : 40
 Propan-2-ol : VLE - France [mg/m³] : 980
 Propan-2-ol : STEL - UK [mg/m³] : 500
 Propan-2-ol : LTEL - UK [ppm] : 1250
 Propan-2-ol : LTEL - UK [ppm] : 400
 Propan-2-ol : LTEL - UK [mg/m³] : 999
 Propan-2-ol : TLV© -STEL [ppm] : 500
 Propan-2-ol : TLV© -TWA [ppm] : 400
 Propan-2-ol : MAK (AU) Tagesmittelwert (ml/m³) : 200
 Propan-2-ol : MAK (AU) Tagesmittelwert (mg/m³) : 500
 Propan-2-ol : MAK (AU) Kurzzeitwerte (mg/m³) : 2000
 Propan-2-ol : MAK (AU) Kurzzeitwerte (ml/m³) : 800
 Isobutane : TLV© -TWA [ppm] : 800
 Isobutane : MAK - Germany [mg/m³] : 2400
 Isobutane : MAK - Germany [ppm] : 1000
 Isobutane : MAK (AU) Tagesmittelwert (ml/m³) : 800
 Isobutane : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
 Isobutane : MAK (AU) Tagesmittelwert (mg/m³) : 1900
 Isobutane : MAK (AU) Kurzzeitwerte (ml/m³) : 1600

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Appearance : Aerosol.
 Colour : Colourless.
 Odour : Characteristic.

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SECTION 9 Physical and chemical properties (continued)

Odour threshold

Not established.

pH value : Not established.

Melting point / Freezing point

Melting point [°C] : Not established.

Initial boiling point - boiling range

Initial boiling point [°C] : Not established.

Flash point [°C] : <0°C.(32°F) Not applicable as aerosol

Decomposition point [°C] :
Not established.

Auto-ignition temperature

Thermal decomposition [°C] : Not established.

Evaporation rate

Evaporation rate (ether=1) : Not applicable.

Flammability

Flammability range [vol% in air] : Not established.

Explosion limits (lower - upper)

Explosion limits : Not established.

Vapour pressure [20°C] : 4200 hPa

Vapour density : Not established.

Relative density, gas (air=1) :
Not established.

Relative density, liquid (water=1) : 0,697 gr/cm3

Solubility in water : Complete.

Partition coefficient : n-octanol / water

Partition coefficient : n-octanol / water : Not established.

Thermal decomposition

Viscosity : Not established.

Explosive Properties

Explosive Properties :
Product is not explosive, However, formation of explosive air/ vapour mixtures are possible.

Oxidising properties

Oxidising properties : Not established.

9.2 Other information

Other data : VOC 100,00 %
EU-VOC 697 gr/ltr.
EU-VOC 100,00 %
No further relevant information

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SECTION 9 Physical and chemical properties (continued)

Dry extract [%] : 0 %

SECTION 10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal stability : Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available.

10.5 ncompatible materials

No data available.

10.6 Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Evaluation of the security for the human health

Acute toxicity : 106-97-8 Butane
LC50 /4h 658 mg/m3 (rat)
Ethanol
Oral LD50 10470 mg/kg(Rat)
Dermal LD50 15800 mg/kg(Rat)
Inhalative LC50 20 mg/l(Rat)
67-63-0 propan-2-ol
Oral LD50 4700- 5500 mg/kg(rat)
Dermal LC50/4h 46-73 mg/m3(rat)
Dimethyl sulfide
Oral LD50 3300 mg/kg(Rat)
Dermal LD50 > 5000 mg/kg(Rabit)
Inhalative LC50 4h / 102 mg/l(Rat)

- Inhalation : Inhalation of fumes or vapours may cause respiratory irritation.

- Dermal :
May cause moderate irritation.

- Ocular : Irritating to eyes.

- Ingestion : May cause gastric irritation.

Sensitization : This product has been reported not to cause skin sensitization.

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SECTION 12 Ecological information

12.1 Toxicity

Toxicity information

: Ethanol
LC50/48h >100 mg/l *Leuciscus idus*
EC50/48h 12,34 mg/l *Daphnia magna*
EC50/48h 100 mg/l *Selenastrum*
67-63-0 Propan-2-ol
EC50/48h 2285-13299 mg/l (*daphnia magna*)
LC50/96h 9640-10400mg/l (fish)
Dimethyl sulfide
EC50/48h 29 mg/l (*daphnia magna*)
LC50/96h 213mg/l (fish, *oncorhynchus mykiss*)
EC50/72h -> 113,7 (*Pseudokichneriella subcapitata*)

12.2 Persistence and degradability

Product is biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Ecological effects information

: No data available.

Environmental precautions

: No data available.
Prevent entry to sewers and public waters.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

General

: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Disposal method

Industrial waste number

: 15 01 04 - Metallic packaging
Metallic packaging

Special precautions

: Do not flush down sewers.
Container under pressure. Do not drill or burn even after use.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

14.1 UN number

UN No. ADR,IMDG,IATA

: 1950

14.2 UN proper shipping name

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SECTION 14 Transport information (continued)

: ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS,flammable

14.3 Transport hazard class(es)

• Labelling ADR, IMDG, IATA



Land transport :

- ADR Class : 2 5F Gases
- ADR Label 2.1

- Tunnel Restriction : D

Sea transport :

- Class : 2.1
- Label 2.1
- EMS-Nr : F-D , S-U

Air transport :

- IATA - Class or division : 2.1
- IATA-Label : 2.1

14.4 Packing group ADR, IMDG, IATA

Void

14.5 Environmental hazards

Marine pollutant : No

14.6 Special precautions for user

Warning : Gasses
Danger code (Kemler) : -
EMS Number : F-D,S-U

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Transport/ Additional information :

ADR

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

Transport category 2

Tunnel restriction code D

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SECTION 14 Transport information (continued)

IMDG

Limited quantities (LQ)

Excepted quantities (EQ)

1L

Code: E0

Not permitted as Excepted Quantity

UN " Model Regulation":

UN1950, AEROSOLS, 2.1

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

Not established.

SECTION 16 Other information

GHS information (for internal use only)

H220 - Extremely flammable gas

H225 - Highly flammable liquid and vapour

H228 - Flammable solid

H280 - Contains gas under pressure; may explode if heated

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H336 - Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning - (CLP : STOT SE 3) - H336

List of relevant R phrases (heading 3) : R11 : Highly flammable.

Extremely flammable.

R22 : Harmful if swallowed.

R36 : Irritating to eyes.

R67 : Vapours may cause drowsiness and dizziness.

Further information

: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

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