

SAFEBALM CAVITES - SAFEBALM CAVITES

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SAFEBALM CAVITES

Product code : SAFEBALM CAVITES.

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

Biocidal product : embalming (product type 22)

formulation type : AL

1.3. Details of the supplier of the safety data sheet

Registered company name : HYGECO.

Address : 20 Boulevard de la Muette - BP 64.95142.GARGES-LES-GONESSE CEDEX.FRANCE.

Telephone : +33 (0) 1 34 53 40 60. Fax : +33 (0) 1 39 86 34 00.

info@hygeco.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

Other emergency numbers

In an emergency, call 15 or poison control center

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 2 (Flam. Liq. 2, H225).

Acute inhalation toxicity, Category 3 (Acute Tox. 3, H331).

Skin corrosion, Category 1C (Skin Corr. 1C, H314).

Specific target organ toxicity (single exposure), Category 1 (STOT SE 1, H370).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Flammable (R 10).

Acute inhalation toxicity: toxic (T, R 23).

Irreversible non-lethal effects after a single oral exposure: toxic (T, R 39/25).

Irreversible non-lethal effects after a single cutaneous exposure: toxic (T, R 39/24).

Irreversible non-lethal effects after a single inhalation exposure: toxic (T, R 39/23).

Corrosive (C, R 34).

Aquatic environmental hazard, acute toxicity: very toxic (N, R 50).

2.2. Label elements

Biocidal mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS06



GHS05



GHS09



GHS08



GHS02

SAFE BALM CAVITES - SAFE BALM CAVITES

Signal Word :

DANGER

Product identifiers :

EC 200-659-6 METHANOL

Hazard statements :

H225 Highly flammable liquid and vapour.
 H314 Causes severe skin burns and eye damage.
 H331 Toxic if inhaled.
 H370 Causes damage to organs (if inhaled, if swallowed, in contact with skin).
 H400 Very toxic to aquatic life.

Precautionary statements - Prevention :

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 Wear respiratory protection.

Precautionary statements - Response :

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P307 + P311 IF exposed: Call a POISON CENTER or doctor/physician.

Precautionary statements - Disposal :

P501 Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 67-56-1 EC: 200-659-6 METHANOL	GHS06, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370	T,F T;R23/24/25-R39/23/24/25 F;R11	[1]	25 \leq x % < 50
INDEX: 603-085-00-8 CAS: 52-51-7 EC: 200-143-0 BRNOPOL (INN)	GHS05, GHS07, GHS09 Dgr Acute Tox. 4, H312 Acute Tox. 4, H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 M Acute = 10	Xn,N Xn;R21/22 Xi;R37/38-R41 N;R50		3 \leq x % < 10

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

SAFEBALM CAVITES - SAFEBALM CAVITES**4.1. Description of first aid measures****In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

Especially if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin :

Remove any soiled or splashed clothing immediately.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

Seek medical attention immediately, showing the label.

In case of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep at rest. Do not induce vomiting.

In case of accidental ingestion call a doctor to judge the appropriateness of monitoring and subsequent treatment year hospital, if necessary. Show the label.

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

Flammable.

5.1. Extinguishing media

In case of fire, use specifically suitable extinguishing agents. Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable methods of extinction

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

Prevent effluent of the fight against the fire to enter drains or watercourses.

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

SAFEBALM CAVITES - SAFEBALM CAVITES**For non first aid worker**

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

Due to the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the area.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Vapors are heavier than air. They can spread along the ground and form explosive mixture with air.

Fire prevention :

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

Avoid contact with eyes and skin.

Containers which are opened must be carefully resealed and kept upright.

Provide adequate ventilation of premises

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

Keep well away from all sources of ignition, heat and direct sunlight.

Store in accordance with regulations

Keep only in the original container

7.3. Specific end use(s)

No data available.

SAFE BALM CAVITES - SAFE BALM CAVITES

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
67-56-1	200 ml/m3	270 mg/m3	4(II)	DFG, EU, H, Y

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
67-56-1	200	260	1000	1300	(12)	84

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
67-56-1	260	200	-	-	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-56-1	200 ppm	250 ppm	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-56-1	200 ppm	250 ppm	-	-	-

8.2. Exposure controls

Suitable technical inspections

Ensure adequate ventilation

Periodic inspections of the methanol content in the working atmosphere.

Organisational measures to prevent/reduce the emission, propagation and exposure.

(Decree 2009/1570 of 15/12/2009 on the control of WEL on the workplace.

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Avoid contact with skin and eyes.

Observe strict personal hygiene and clothing : wash face and hands before every meal, move to shower and change clothes after work.

- Hand protection

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

Protective creams may be used for exposed skin, they should however not be applied after contact with the product.

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.

- Respiratory protection

Avoid breathing vapours.

Also provide breathing apparatus for exceptional work that can generate high exposures or for emergency response.
anti-gas filters (combined and assisted ventilation)

SAFE BALM CAVITES - SAFE BALM CAVITES

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Color:	colorless
Odour:	alcohol

Important health, safety and environmental information

pH :	4.50 pur. Slightly acidic.
Boiling point/boiling range :	> 35°C
Flash Point :	21.00 °C.
Vapour pressure (50°C) :	Not relevant.
Density :	0.96
Water solubility :	Soluble.
Viscosity :	2.2 mPa*s (20°C)
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.
Melting/freezing point :	not applicable
initial boiling point/boiling range :	not determined
evaporation rate	Not determined
Inflammability	Not determined
Upper/lower flammability	Not determined
Upper/lower explosion	not applicable
Vapor density	not applicable
n-octanol/water partition coefficient	not applicable
Explosive properties	not explosive
Oxidizing properties	not oxidising

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

Exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide, carbon dioxide, smoke and nitrogen oxide

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

SAFE BALM CAVITES - SAFE BALM CAVITES

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Toxic by inhalation.

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between one and four hours.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

Causes damage to organs.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture**Acute toxicity :**

Oral route :	No observed effect. LD50 > 5000 mg/kg
Dermal route :	No observed effect. LD50 > 5000 mg/kg
Inhalation route (Dusts/mist) :	Toxic by inhalation. Duration of exposure : 4 h 0.5 < LC50 <= 1 mg/l

Skin corrosion/skin irritation :

Causes skin burs

Serious damage to eyes/eye irritation :

Causes serious eye damage

Specific target organ systemic toxicity - single exposure :

Risk causes damage to organs

SECTION 12 : ECOLOGICAL INFORMATION

Highly toxic to aquatic life.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity**12.1.1. Substances**

Substance acute toxicity category 1

BRONOPOL (CAS N°52-51-7) : Very toxic to aquatic organisms

12.1.2. Mixtures

Very toxic to aquatic organisms

No ecological data on the product itself is available

Any leaks in drains or watercourses should be avoided

12.2. Persistence and degradability

No data available.

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.

SAFEBALM CAVITES - SAFEBALM CAVITES

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Local arrangements :

The regulation on waste is codified in the Code of the Environment, according to ordinance N° 2000-914 of 18/09/2000 relating to the legislative part of the Code of the Environment.

Different texts found in Article L.541-1 to L.541-50 item located in Book V (Prevention of pollution, risks and nuisances), Title IV (waste), Chapter I (Waste disposal and recovery of materials).

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

14.1. UN number

2927

14.2. UN proper shipping name

UN2927=TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.

(methyl alcohol)

14.3. Transport hazard class(es)

- Classification :



6.1+8

14.4. Packing group

II

14.5. Environmental hazards

- Environmentally hazardous material :

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	6.1	TC1	II	6.1+8	68	100 ml	274	E4	2	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	6.1	8	II	100 ml	F-A,S-B	274	E4

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ

SAFEBALM CAVITES - SAFEBALM CAVITES

	6.1	8	II	653	1 L	660	30 L	A4 A137	E4
	6.1	8	II	Y640	0.5 L	-	-	A4 A137	E4

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Container information:**

No data available.

- Particular provisions :

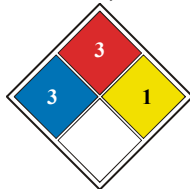
No data available.

Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol) :

Hazardous chemical agents : Decree N°2003-1254 of 23/12/2003

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=3 Inflammability=3 Instability/Reactivity=1 Specific Risk=none

**15.2. Chemical safety assessment**

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :



Toxic



Dangerous for the environment

Flammable

Contains :

603-085-00-8

EC 200-659-6

BRONOPOL (INN)

METHANOL

Risk phrase :

R 50

Very toxic to aquatic organisms.

R 23

Toxic by inhalation.

R 10

Flammable.

R 34

Causes burns.

R 39/23/24/25

Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Safety phrase :

S 26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SAFE BALM CAVITES - SAFE BALM CAVITES

S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 38	In case of insufficient ventilation, wear suitable respiratory equipment.
S 60	This material and its container must be disposed of as hazardous waste.
S 7/9	Keep container tightly closed and in a well-ventilated place.

Title for H, EUH and R indications mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs .
H400	Very toxic to aquatic life.
R 11	Highly flammable.
R 21/22	Harmful in contact with skin and if swallowed.
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R 37/38	Irritating to respiratory system and skin.
R 39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R 41	Risk of serious damage to eyes.
R 50	Very toxic to aquatic organisms.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS05 : Corrosion
GHS06 : Skull and crossbones
GHS08 : Health hazard
GHS09 : Environment