

**STORM RELAX**

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

**1.1. Product identifier**

Product name : STORM RELAX

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

Deodorant

**1.3. Details of the supplier of the safety data sheet**

Registered company name : IPC SAS

Address : 10 quai Malbert CS 71821 29218 BREST CEDEX 2.France.

Telephone : 02 98 43 45 44. Fax : 02 98 44 22 53.

ipc@ipc-sa.com

www.ipc-sa.com

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

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

**>SECTION 2 : HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

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

Aerosol, Category 1 (Aerosol 1, H222 - H229).

May produce an allergic reaction (EUH208).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements**

Mixture for aerosol application.

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

Hazard pictograms :



GHS02

Signal Word :

DANGER

Additional labeling :

EUH208 Contains EUCALYPTOL. May produce an allergic reaction.

Hazard statements :

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Precautionary statements - Prevention :

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 spray.

P271 Use only outdoors or in a well-ventilated area.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other information :

Do not use for a usage other one than the one for wich the product is intended.

Do not spray for a long time.

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**> 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 fulfils 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	Note	%
INDEX: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7  BUTANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	C [1] [7]	50 $\leq$ x % < 60.6
INDEX: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2  AND ISOBUTANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	C [1] [7]	10 $\leq$ x % < 20.5
INDEX: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9  PROPANE	GHS02, GHS04 Dgr Flam. Gas 1, H220	[1] [7]	10 $\leq$ x % < 12.2
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43  ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	2.5 $\leq$ x % < 6.4
CAS: 470-82-6 EC: 207-431-5  EUCALYPTOL	GHS02, GHS07 Wng Flam. Liq. 3, H226 Skin Sens. 1B, H317		0 $\leq$ x % < 0.2

(Full text of H-phrases: see section 16)

**> Information on ingredients :**

Substances may not have a REACH Registration No. because they are manufactured / imported in quantities less than 1 ton / year, or they are complex substances or they are exempted from registration under REACH.

[7] Propellant gas

[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.

**4.1. Description of first aid measures**

**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.

In case of massive inhalation transport the patient outdoors and keep him for the warmth and for the rest.

**> In the event of splashes or contact with eyes :**

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

See a doctor showing him the label

**> In the event of splashes or contact with skin :**

In the event of an allergic reaction, seek medical attention.

**In the event of swallowing :**

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

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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### 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

#### Specific and immediate treatment :

No data available.

#### Information for the doctor :

No data available.

## >SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

### 5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

#### Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

#### 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 (CO<sub>2</sub>)

### > 5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## >SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

Because of the organic solvents contained in the mixture, 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.

### 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

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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See Section 7 for information on safe handling.

### >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

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

#### Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

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

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

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.

Do not breathe in aerosols.

Packages which have been opened must be reclosed carefully and stored in an upright position.

#### 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

Store receptacle in a well ventilated area.

Store in cool, dry conditions in well sealed receptacles.

#### Storage

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

Keep away from all sources of ignition - do not smoke.

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

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

#### Packaging

Always keep in packaging made of an identical material to the original.

#### 7.3. Specific end use(s)

No data available.

### >SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

##### Occupational exposure limits :

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	1000 ppm				
75-28-5	1000 ppm				
74-98-6	1000 ppm				
64-17-5		1000 ppm		A3	

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
106-97-8		1000 ppm 2400 mg/m <sup>3</sup>		4(II)

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75-28-5		1000 ppm 2400 mg/m <sup>3</sup>		4(II)
74-98-6		1000 ppm 1800 mg/m <sup>3</sup>		4(II)
64-17-5		500 ppm 960 mg/m <sup>3</sup>		2(II)

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
106-97-8	800	1900	-	-	-	-
64-17-5	1000	1900	5000	9500	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	600 ppm 1450 mg/m <sup>3</sup>	750 ppm 1810 mg/m <sup>3</sup>		Carc	
64-17-5	1000 ppm 1920 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

ETHANOL (CAS: 64-17-5)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Long term systemic effects.  
343 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
950 mg of substance/m<sup>3</sup>

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Consumers.**

Ingestion.  
Long term systemic effects.  
87 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Long term systemic effects.  
206 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
114 mg of substance/m<sup>3</sup>

**Predicted no effect concentration (PNEC):**

ETHANOL (CAS: 64-17-5)

Environmental compartment:  
PNEC : Soil.  
0.63 mg/kg

Environmental compartment:  
PNEC : Fresh water.  
0.96 mg/l

Environmental compartment:  
PNEC : Sea water.  
0.79 mg/l

Environmental compartment:  
PNEC : Intermittent waste water.  
2.75 mg/l

Environmental compartment:  
PNEC : Fresh water sediment.  
3.6 mg/kg

Environmental compartment:  
Marine sediment.

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PNEC :	2.9 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 580 mg/l
Environmental compartment: PNEC :	Vermivore predators (oral). 0.38 mg/kg

### 8.2. Exposure controls

#### 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

Before handling, wear safety goggles in accordance with standard EN166.

#### > - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

Let the glove manufacturer advise you on the choice of gloves and their duration of use for your operating conditions

Recommended properties :

- Impervious gloves in accordance with standard EN374

#### - Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

#### > - Respiratory protection

Category :

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- AX

Particle filter according to standard EN143 :

- P1

Types, classes and filters for respiratory protection above are recommended in case of confrontation at concentrations higher than the exposure limits specified under 8.1. (Control parameters) .They should be adjusted according to actual conditions. they may not be necessary if the product is used outdoors or in a well ventilated area.

## >SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General information :

Physical state :	Fluid liquid. Spray.
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#### > Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Insoluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
Chemical combustion heat :	Not specified.

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Inflammation time :	Not specified.
Deflagration density :	Not specified.
Inflammation distance :	Not specified.
Flame height :	Not specified.
Flame duration :	Not specified.

**9.2. Other information**

No data available.

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**>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**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes 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 :

- heating
- heat

**> 10.5. Incompatible materials**

No incompatible materials known.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

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**>SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible damage

**11.1.1. Substances**

**Acute toxicity :**

EUCALYPTOL (CAS: 470-82-6)

Oral route :

LD50 = 2480 mg/kg

**11.1.2. Mixture**

**> Skin corrosion/skin irritation :**

Based on available data; the classification criteria are not met.

**> Serious damage to eyes/eye irritation :**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

**> Germ cell mutagenicity :**

Based on available data; the classification criteria are not met.

**> Carcinogenicity :**

Based on available data; the classification criteria are not met.

**> Reproductive toxicant :**

Based on available data; the classification criteria are not met.

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**> Specific target organ systemic toxicity - single exposure :**

Based on available data; the classification criteria are not met.

**> Specific target organ systemic toxicity - repeated exposure :**

Based on available data; the classification criteria are not met.

**> Aspiration hazard :**

Based on available data; the classification criteria are not met.

**> Delayed and immediate effects as well as chronic effects from short and long-term exposure**

No further relevant information available.

**> Other information**

No further relevant information available.

**Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**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.

**12.6. Other adverse effects**

No data available.

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**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.

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**>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 2017 - IMDG 2016 - ICAO/IATA 2017).

**14.1. UN number**

1950

**14.2. UN proper shipping name**

UN1950=AEROSOLS, flammable

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**14.3. Transport hazard class(es)**

- Classification :



2.1

**14.4. Packing group**

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**14.5. Environmental hazards**

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**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	2	See SP63	-	See SP277	F-D,S-U	63 190 277 327 344 381 959	E0

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Transport in bulk according to Annex II of Marpol 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**

**> - Classification and labelling information included in section 2:**

The following regulations have been used:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**> 15.2. Chemical safety assessment**

The chemical safety assessment has not been carried out for this mixture.

**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.

**Wording of the phrases mentioned in section 3 :**

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.

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H319 Causes serious eye irritation.

**Abbreviations :**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.