

# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

### ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 1/10

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

### 1.1 Product identifier

Substance name : ITC Venom® GEL  
Product code : none  
Synonyms : none  
Brand : ITC Venom®  
EC No. : None, mixture.

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

Relevant identified uses : Consumer use, as self-defense spray.  
Uses advised against: none

### 1.3 Details of the Supplier of the safety data sheet

Manufacturer/Supplier : REDSTUN SAS  
Street address/P.O. Box : 17 rue Pasteur  
Country ID/Postcode/Place : 72300 Sablé-sur-Sarthe  
France  
Telephone number : +33 (0)7 83 07 18 27  
E-mail address of the competent person  
responsible for the SDS : [office@redstun.com](mailto:office@redstun.com)  
National contact: M. Toms Ledins

### 1.4 Emergency telephone number

+33 (0)9 75 18 14 07 (CHEMTREC)  
+33 (0)1 45 42 59 59 (I.N.R.S.)

# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

### ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 2/10

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008

Hazard class	Hazard category	Hazard statement
Flammable liquids	4	H227
Aerosols	3	H229
Aspiration hazard	2	H305
Skin corrosion / Skin irritation	2	H315
Skin sensitization	1	H317
Serious eye damage/eye irritation	2A	H319
Acute toxicity by inhalation	4	H332
Respiratory sensitization	1	H334
Specific target organ toxicity (single exposure)	3	H335
Hazardous to the aquatic environment - Chronic	4	H413

Classification according to Regulation UE 67/548/CEE ou 1999/45/CE

Xi

Irritant

R36/38

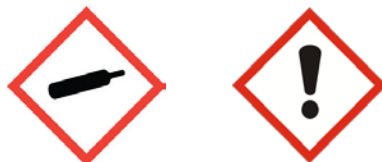
#### 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

### 2.2 Label elements

Label elements according to Regulation (EC) No 1272/2008

#### Pictogram(s)



**Signal word** Warning

#### Hazard statement(s)

H229 Pressurized container: may burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

### ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 3/10

#### Precautionary statement(s)

P102 Keep out of reach of children.  
P305 IF IN EYES : Rinse cautiously with water for several minutes.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

Supplemental Hazard information (EU): None

#### 2.3 Other hazards

Lacrymatory.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable

#### 3.2 Mixture

#### Hazardous substances according to Regulation (EC) No 1272/2008 (REACH)

CHEMICAL NAME	CAS No.	EC No.	REACH Registration No.	Hazard Class and Category	Food Flavoring Agent under FEMA	PADI (Possible Average Daily Intake – GRAS	Concentration limit (in w/w)
Propan-2-ol	67-63-0	200-661-7	01-2119457558-25	Flam. Liq. 2 ; Eye Irrit. 2 ; STOT SE 3 ; H225, H319, H336	FEMA No. : 2929 Nature Identical	2,328mg	≤ 10%
Anethole	104-46-1	203-205-5	01-2119979097-22	Skin Sens. 1 ; Aquatic Chronic 2 ; H317, H411	FEMA No. : 2086 Nature Identical	67,879mg	≤ 10%
3-methylthio propyl isothiocyanate	505-79-3	208-020-3	Importation < 1 ton/year No REACH registration needed	Skin Irrit. 2 ; Eye Irrit. 2 ; Acute Tox. 3 ; H315, H319, H301	FEMA No. : 3312 Nature Identical	0,630mg	≤ 2%
Norflurane (1,1,1,2-tetrafluoroethane R134a)	811-97-2	212-377-0	01-2119459374-33	Aerosols, Cat. 3, H229, H280	--	--	≤ 60%

**SAFETY DATA SHEET**  
**SPRAYS**  
**ITC Venom® GEL (25ml / 50ml / 75ml)**

**REDSTUN SAS**

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 4/10

## SECTION 4 : FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Move to fresh air. Wash with plenty of water.

#### Following inhalation

Consult a physician for severe cases.

#### Following skin contact

Wash with plenty of water.

#### Following eye contact

Wash with plenty of water, at least 15 minutes.

#### Following ingestion

Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible.

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

Cramp-like swelling eyelids, watery eyes, sensation of burning of eyes and skin.

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

None known.

## SECTION 5 : FIREFIGHTING MEASURES

### 5.1 Extinguishing media :

#### Suitable extinguishing media :

Water spray, alcohol-resistant foam, dry chemical or CO<sub>2</sub>.

#### Unsuitable extinguishing media :

High volume water jet.

### 5.2 Special hazards arising from the substance or mixture

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Closed containers may explode due to pressure build-up when subjected to excessive heat or intense fire.

#### Hazardous combustion products:

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting, if necessary.

### 5.4 Further information

No data available.

## SPRAYS

## ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 5/10

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**Protective equipment: use safety glasses and gloves.Emergency procedures: prevent from entering contaminated area.**6.1.2 For emergency responders**

Use protective equipment. Do not breath vapours or spray mists. Ventilate the area. Treat accordingly.

**6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**6.3 Methods and materials for containment and cleaning up****6.3.1 For containment :** soak up with inert absorbent material and dispose of as hazardous waste**6.3.2 For cleaning up:** flush away traces with water**6.3.3 Other information:** Keep in suitable, closed containers for disposal**6.4 Reference to other sections**

See chapter 8 and 13.

**SECTION 7 : HANDLING AND STORAGE****7.1 Precautions for safe handling**

Protective measures : Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122°F.

Measures to prevent fire : Do not expose to direct fire.

Measures to prevent aerosol and dust generation: none

Measures to protect the environment: none

Advice on general occupational hygiene: Do not breathe vapors or spray mist.

**7.2 Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions: Store vertically, in a place accessible by authorized persons only.

Packaging materials: keep in original packaging materials.

Requirements for storage rooms and vessels: Store in a cool, dry and shaded area. *Do not store in car or truck, when car or truck is exposed to direct sunlight; temperatures can easily reach 60°C / 140°F, which can cause the aerosol to burst.***7.3 Specific end use(s)**

Recommendations: use only as personal defense spray.

Industrial sector specific solutions: none

# SAFETY DATA SHEET

REDSTUN SAS

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According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 6/10

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Substances with exposure limit values

Propan-2-ol CAS nr. 67-63-0 EINECS nr. 200-661-7 (Isopropanol)					
			Workplace Exposure Limits (WELs) MAK- TWA - VME	Workplace Exposure Limits (WELs) MAK- STEL-VLE	Biological exposition limits
France			VME = 200 ppm (500mg/m <sup>3</sup> )	VLE = 400 ppm (980mg/m <sup>3</sup> )	No data available
Germany			TWA 400 ppm (980mg/m <sup>3</sup> )	ST 500 ppm (1225mg/m <sup>3</sup> )	No data available

### 8.2 Exposure controls

Occupational exposure controls: Handle in accordance with good industrial hygiene and safety practice.

#### 8.2.1 Appropriate engineering controls:

Substance/mixture related measures to prevent exposure during identified uses: none

Structural measures to prevent exposure: none

Organisational measures to prevent exposure: none

Technical measures to prevent exposure: none

#### 8.2.2 Personal protection equipment:

8.2.2.1 Eye and face protection: safety glasses with side-shields conforming to EN 166

8.2.2.2 Skin protection / Hand protection / Other skin protection: no special measures required

8.2.2.3 Respiratory protection: in case of insufficient ventilation wear suitable respiratory equipment. Respirator with combination filter for vapour/particulate (EN 141)

8.2.2.4 Thermal hazards: container may rupture/burst on heating. Keep product and empty container away from heat and sources of ignition.

#### 8.2.3 Environmental exposure controls:

Substance/mixture related measures to prevent exposure: none

Instruction measures to prevent exposure: do not use aerosol spray against wind.

Organisational measures to prevent exposure: none

Technical measures to prevent exposure: none

**SAFETY DATA SHEET**  
**SPRAYS**  
**ITC Venom® GEL (25ml / 50ml / 75ml)**

**REDSTUN SAS**

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 7/10

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- (a) Appearance: **aerosol, containing gas under pressure mixed with light greenish liquid**
- (b) Odour: **pleasant aniseed odour**
- (c) Odour threshold; no information available
- (d) pH: **neutral**
- (e) Melting point/freezing point; no information available
- (f) Initial boiling point and boiling range; no information available
- (g) Flash point; no information available
- (h) Evaporation rate; no information available
- (i) Flammability (solid, gas); **not flammable**
- (j) Upper/lower flammability or explosive limits; no information available
- (k) Vapour pressure; no information available
- (l) Vapour density; no information available
- (m) Relative density; no information available
- (n) Solubility(ies); **miscible in water**
- (o) Partition coefficient: n-octanol/water; no information available
- (p) Auto-ignition temperature; no information available
- (q) Decomposition temperature; no information available
- (r) Viscosity; no information available
- (s) Explosive properties; **gas under pressure**
- (t) Oxidising properties; no information available

### 9.2 Other information

no information available

## SECTION 10 : STABILITY AND REACTIVITY

### 10.1 Reactivity

no information available

### 10.2 Chemical stability

Under storage at normal ambient temperatures (minus 40°C / minus 40°F to + 40° C / 104°F), the product is stable.  
If stored at temperatures equal or above 50°C / 122°F, risk of aerosol bursting.

### 10.3 Possibility of hazardous reactions

no information available

### 10.4 Conditions to avoid

Avoid storage in car or other vehicles with closed windows and exposed to direct sunlight. In these conditions, temperature may rapidly raise above 50°C / 122°F. Avoid storage in humid / wet conditions.

### 10.5 Incompatible materials

no information available

### 10.6 Hazardous decomposition products

No known hazardous decomposition products

## SPRAYS

## ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 8/10

## SECTION 11 : TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

## Acute toxicity

## Propan-2-ol (Isopropanol) CAS nr. 67-63-0, EINECS nr. 200-661-7

WARNING: THE LC<sub>50</sub> VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD<sub>50</sub>): 3600 mg/kg [Mouse]. Acute dermal toxicity (LD<sub>50</sub>): 12800 mg/kg [Rabbit]. Acute inhalation toxicity (LC<sub>Lo</sub>): 16000 ppm [Rat/4hrs]

## Acute toxicity estimate (ATE) of the mixture:

ATE<sub>mix</sub> (oral) = 3600mg/kgATE<sub>mix</sub> (dermal) = 12800mg/kgATE<sub>mix</sub> (inhal.) = 16000 ppm (39200 mg/m<sup>3</sup>) [4 h (vapours)]

## Skin corrosion / irritation

Causes skin irritation.

## Serious eye damage / eye irritation

Causes severe eye irritation.

## Respiratory / Skin sensitisation

No data available.

## Germ cell mutagenicity

No data available.

## Carcinogenicity

No product has been identified as carcinogenic.

## Reproductive toxicity

No data available.

## Summary of evaluation of the CMR properties

No data available.

## Specific target organ toxicity – STOT - single exposure

No data available.

## Specific target organ toxicity – STOT - repeated exposure

No data available.

## Aspiration hazard

No data available.

## Observed action on humans

Temporary sensation of strong irritation of the eyes and skin. Irritation effect lasts for about 30 minutes, then decreases and ends rapidly. No side effects have been reported.



# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

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According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 9/10

## SECTION 12 : ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Propan-2-ol (Isopropanol) CAS nr. 67-63-0, EINECS nr. 200-661-7

Not considered as toxic for fishes.

Acute toxicity - fish CL<sub>50</sub>, 48 hours: >100 mg/l, *Leuciscus idus*

Acute toxicity – aquatic invertebrates CE<sub>50</sub>, 48 hours: >100 mg/l, *Daphnia magna*

Acute toxicity – aquatic plants CE<sub>50</sub>, 72 hours: >100 mg/l, *Scenedesmus subspicatus*

### 12.2 Persistence and degradability

Expected to be biodegradable.

### 12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

### 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.

### 12.6 Additional information

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

13.1.1 Product / Packaging disposal: empty aerosol spray

Waste codes / waste designations according to LoW: 15- 01-10\*

(Empty packaging contaminated with residues of hazardous substances)

13.1.2 Waste treatment-relevant information: high temperature incineration / recycling of aluminium if possible

13.1.3 Sewage disposal-relevant information: discourage sewage disposal

13.1.4 Other disposal recommendations: pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122°F. Do not pierce or burn, even after use.

Contaminated packaging: offer rinsed packaging material to local recycling facilities.

# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

### ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 10/10

## SECTION 14 : TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: UN 1950

IMDG: UN 1950

IATA: UN 1950

### 14.2 UN proper shipping name

ADR/RID: AEROSOLS, asphyxiant.

IMDG: Aerosols, asphyxiant.

IATA: Aerosols, non-flammable.

### 14.3 Transport hazard class(es)

ADR/RID: Class 2.

IMDG: Class 2.

IATA: Class 2.2.

### 14.4 Packing group

ADR/RID: Labels 2.2.

IMDG: Labels 2.2.

IATA: label 2.2.

### 14.5 Environmental hazards

#### ADR/RID:

Classification code 5A .

Hazard identification no. 20.

Limited quantity 1 L.

Excepted quantity E0.

Tunnel restriction code E .

#### IMDG :

Marine pollutant: no.

EmS F-D, S-U.

#### IATA:

Packaging instruction (passenger aircraft) : 203 (75kg).

Packaging instruction (LQ) : Y203 (30 kg G).

Packaging instruction (cargo aircraft) : 203 (150 kg).

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available.

**SAFETY DATA SHEET**  
**SPRAYS**  
**ITC Venom® GEL (25ml / 50ml / 75ml)**

**REDSTUN SAS**

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 11/10

**SECTION 15: REGULATORY INFORMATION**

This safety data sheet has been compiled according to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830.

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

**Regulatory Information**

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 a naked flame or any incandescent material. The product is classified and labelled according to Regulation (EC) No. 1272/2008.

Mixture complies with the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer (OJ L 286, 31.10.2009, p.1).

Mixture complies with Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC (OJ L 158, 30.4.2004, p.7).

Mixture complies with Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (OJ L 201, 27.7.2012, p.60).

Mixture complies with Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances (OJ L 10, 14.1.1997, p.13).

**15.2 Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16 : OTHER INFORMATION**

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 4, H227	On basis of test data
Aerosols 3, H229	On basis of characteristics
Aspiration hazard 2, H305	Calculation method
Skin Irrit. 2, H315	On basis of test data
Skin Sens. 1, H317	On basis of test data
Eye Irrit. 2A, H319	On basis of test data
Acute Tox. 4, H332	Calculation method
Respiratory. Sens. 1, H334	Calculation method
STOT (single exposure) 3, H335	Calculation method
Aquatic Chronic 4, H413	Calculation method

**Key or legend to abbreviations and acronyms**

Eye Irrit. – Eye irritation

Skin Irrit.- Skin irritation

# SAFETY DATA SHEET

REDSTUN SAS

## SPRAYS

### ITC Venom® GEL (25ml / 50ml / 75ml)

According to Regulation 1907/2006 (REACH) as amended by Regulation (EU) 2015/830

Revision date 10/02/2017

Print date 11/02/2017

(ENG) Page 12/10

Flam. Liq. – Flammable liquids

Skin Sens. – Skin sensitization

Aquatic Chronic – Chronic hazards to the aquatic environment

Acute Tox. - Acute toxicity

#### Full text of phrases referred to under sections 2 and 3

H225	Highly flammable liquid and vapour.
H227	Combustible liquid.
H229	Pressurized container: may burst if heated.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H305	May be harmful if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long-lasting effects.
H413	May cause long-lasting harmful effects to aquatic life.

Translation of R phrases mentioned in section 2 and 3

Xi : Irritant

R36/38 : Irritating to eyes and skin.

#### Further information

Take notice of the directions of use on the labels of the aerosols.

#### Disclaimer

The information provided in this Safety Data Sheet is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information on this document is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The information in this SDS relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. REDSTUN SAS shall not be liable for any damage resulting from handling, using or from contact with the above product.

#### Preparation Information

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