

HEALTH & SAFETY PRODUCT DATA SHEET

1 – IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Identification of the substance or preparation:

Name: HQ POWER - Scent Red Energy
Product code : VDLSLF1 - Red Energy
Packing : Bottle of 20 ML

Company :

VELLEMAN NV
Leigen Herweg 33
B - 9890 Gavere
Belgium
Tel. +32 (0)9 384 36 11
Fax. +32 (0)9 389 93 35
Website : www.hqpower.eu

Emergency telephone:

Phone number France (24h) : +33 (0) 172 11 0003
INRS/ORFILA (France) : +33 (0) 1 45 42 59 59
National Toxicological Information Service (Spain): +34 91 562 04 20
National Toxicological Information Service (Hungary): +36 80 201 199
Centre Antipoisons (antipoison centre) (Belgium): +32 (0)70 245 245
Nationaal Vergiftigingen Informatie Centrum (Netherlands): +31 (0)30 274 8888
Informationszentrale gegen Vergiftungen (Bonn): +49-228-19 24 0
Vergiftungsinformationszentrale Wien (Austria): +43-1-40 6-43 43
Schweizerisches Toxikologisches Informationszentrum (STIZ) (Swiss): + 41 44 251

Use of the substance/preparation: **Professional Use Only**

Liquid formulation used to perfume artificial smoke or fog or haze or Bubble Fluid used in the entertainment events, shows, clubs, theaters, training occupational safety drills.

Under normal operating conditions (one 20ml bottle for 5 L can Fog Fluid), the products don't show any special danger.

Bottle of 20 ML contains mix of 30 % De ionized water (CAS 7732-18-5) , 30% Glycol (EINECS 2003380) and 40 % of chemical components perfume , major ones described below

The features below does not apply to the finished product in its entirety but only the part concerning to the chemical components perfume in pure state by the precautionary principle in relation to the toxicological characteristics.

2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture in compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

De ionized water (CAS 7732-18-5) , 30% Glycol (EINECS 2003380) : not listed as hazardous product

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

40 % of chemical components perfume

The perfume composition is in compliance with the recommendations IFRA, including the amendment 47 of June, 2013 for the application and the maximal dosage

May produce an allergic reaction.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

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

Label elements in compliance with directives 67/548/EEC, 1999/45/EC and adaptations.

This mixture is a product for a professional use

Contains 601-029-00-7 (R)-P-MENTHA-1,8-DIENE. May produce an allergic reaction.

Contains 605-019-00-3 CITRAL. May produce an allergic reaction.

Contains EC 204-465-2 VANILLIN. May produce an allergic reaction.

Risk phrase:

Safety data sheet available for professional user on request.

Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemical 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.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

Mixtures Composition :

- 30 % De ionized water (CAS 7732-18-5)
- 30% Glycol (EINECS 2003380)
- 40 % of chemical components perfume , major ones described below

Information on ingredients :

CAS: 77-83-8 EC: 201-061-8 ETHYL METHYL PHENYL GLYCIDATE $\leq x \% < 10$
INDEX: 607-130-00-2 CAS: 123-92-2 EC: 204-662-3 ISOPENTYL ACETATE GHS02, $\leq x \% < 10$
INDEX: 605-019-00-3 CAS: 5392-40-5 EC: 226-394-6 CITRAL $\leq x \% < 2.5$
CAS: 121-33-5 EC: 204-465-2 VANILLIN $\leq x \% < 2.5$
INDEX: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 (R)-P-MENTHA-1,8-DIENEGHS02, $\leq x \% < 2.5$

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.

Description of first aid measures

In the event of exposure by inhalation :

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.

In the event of splashes or contact with skin :

In the event of swallowing : Do not give the patient anything orally.

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

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

Most important symptoms and effects, both acute and delayed : No data available.

Indication of any immediate medical attention and special treatment needed : No data available.

5 - FIREFIGHTING MEASURES

Non-flammable.

Extinguishing media

Suitable methods of extinction

In the event of a fire, use : Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires

Unsuitable methods of extinction

In the event of a fire, do not use : Never use water

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)

Advice for firefighters :

No data available.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters :

Avoid any contact with the skin and eyes.

For fire-fighters :

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

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.

Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Reference to other sections

No data available.

7 - HANDLING AND STORAGE

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

Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.
Prevent the accumulation of electrostatic charges with connections to earth.
The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive

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.
Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.
Provide vapor extraction at the emission source and also general ventilation of the premises.
Avoid eye contact with this mixture.

Prohibited equipment and procedures :

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

Conditions for safe storage, including any incompatibilities .

No data available.

Storage .

Keep away from food and drink, including those for animals.

Packaging

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

Specific end use(s)

No data available.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- 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 :

123-92-2 270 50 540 100

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

CAS TWA : STEL : Ceiling : Definition : Criteria :

123-92-2 50 ppm 100 ppm

140-11-4 10 ppm - - -

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

CAS VME : VME : Excess Notes

123-92-2 50 ml/m³ 270 mg/m³ 1(l) DFG, E

- France (INRS - ED984 :2008) :

CAS VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes TMP No :

123-92-2 50 270 100 540 84

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

CAS TWA : STEL : Ceiling : Definition : Criteria :

123-92-2 50 ppm 100 ppm - - -

Control parameters

No data available.

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 with protective sides accordance with standard EN166.

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

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- 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 :

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

Type of FFP mask :

Category :

Type of mask with combined filters :

Type of powered air-purifying respirator :

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

Particle filter according to standard EN143 :

Independent breathing apparatus for respiratory protection :

9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information :

Physical state :

Fluid liquid.

Important health, safety and environmental information

pH :

Neutral.

Boiling point/boiling range :

Not specified.

Flash point interval :

Flash point of the chemical component perfume pure > 58°C

Method for determining the flash point:

Vapour pressure (50°C) :

Below 110 kPa (1.10 bar)

Method for determining the vapour pressure: :

Density :	Not stated.
Water solubility :	Insoluble.
Method for determining the water solubility :	Viscosity: $\nu < 7 \text{ mm}^2/\text{s}$ (40°C)
Method for determining the viscosity :	
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
Other information :	No data available.

10 - STABILITY AND REACTIVITY

Reactivity :

No data available.

Chemical stability

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

Possibility of hazardous reactions

No data available.

Conditions to avoid

Avoid :

Accumulation of electrostatic charges.
Heating , flames and hot surfaces

Incompatible materials

Keep away from :

No data available

Hazardous decomposition products

The thermal decomposition may release/form :

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

11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Harmful if swallowed.

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.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

May cause an allergic reaction by skin contact.

Substances

Acute toxicity :

CAS: 121-33-5

VANILLIN

Oral route: DL50 = 3500 mg/kg

Skin corrosion/skin irritation :

Serious damage to eyes/eye irritation :

Respiratory or skin sensitisation :

Germ cell mutagenicity :

Carcinogenicity :

Reproductive toxicant :

Specific target organ systemic toxicity - single exposure :
Specific target organ systemic toxicity - repeated exposure :
Aspiration hazard :

Mixture**Acute toxicity :****Skin corrosion/skin irritation :****Serious damage to eyes/eye irritation :****Respiratory or skin sensitisation :**

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

Germ cell mutagenicity :**Carcinogenicity :****Reproductive toxicant :****Specific target organ systemic toxicity - single exposure :****Specific target organ systemic toxicity - repeated exposure :****Aspiration hazard :****Symptoms related to the physical, chemical and toxicological characteristics****Delayed and immediate effects as well as chronic effects from short and long-term exposure****Interactive effects****Absence of specific data****Mixture versus substance information****12 - ECOLOGICAL INFORMATION**

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterway

Toxicity**Substances****Mixtures :**

No aquatic toxicity data available for the mixture.

Persistence and degradability

No data available.

Substances**Mixtures****Bioaccumulative potential**

No data available.

Substances**Mixtures****Mobility in soil**

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

13 - DISPOSAL CONSIDERATIONS

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

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 :

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

14 - TRANSPORT INFORMATION

These indications do not concern the complete mixture but only the part about the chemical components perfume. These indications are issued for precautionary principle

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2011).

- Classification:

UN1266=PERFUMERY PRODUCTS

ADR/RID Class Code Pack gr.Label Ident. LQ Provis.EQ Cat. Tunnel 3 F1 III 3 30 5 L 163 640E1 3 D/E

IMDG Class 2°Label Pack gr.LQ EMS Provis. EQ 3 - III 5 L F-E,S-D 163 223 90E1

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

3 - III 355 60 L 366 220 L A3 A72E1

3 - III Y344 10 L - - A3 A72E1

15 - REGULATORY INFORMATION

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

- Particular provisions:

No data available.

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

Chemical safety assessment

No data available.

16 - OTHER INFORMATIONS

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.

HQ POWER