



## 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

CAS: 104-50-7  
EC: 203-208-1

Product name : GAMMA OCTALACTONE N° 451  
Product code : V07030.

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

Use of the Substance/Mixture: Ingredient used in Fragrance preparations

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

Registered company name : Bedoukian Research, Inc..  
Address : 21 Finance Drive..Danbury, CT 06810-4133.UNITED STATES.  
Telephone : 1-203-830-4000. Fax : 1-203-830-4010.  
customerservice@bedoukian.com  
http://www.bedoukian.com  
Distributor : BLH s.a.s.  
Address : ZAC du Pilon - 06460 SAINT VALLIER DE THIEY  
Tél : 04 92 60 35 60 - Fax : 04 92 60 35 69  
Website : www.blhsas.com

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

Association/Organisation : 1-703-527-3887 Chemtrec (International).

### SECTION 2 : HAZARDS IDENTIFICATION

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

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

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

This substance does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

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

#### 2.2. Label elements

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

No labelling requirements for this substance.

#### 2.3. Other hazards

The substance does not fulfil the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

##### Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 104-50-7 EC: 203-208-1 GAMMA OCTALACTONE FCC			97-100

### >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 swallowing :

Seek medical attention, showing 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

Non-flammable.

#### 5.1. Extinguishing media

##### Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- dry chemical agents
- carbon dioxide (CO<sub>2</sub>)

##### 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

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.

##### 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

No data available.

### >SECTION 7 : HANDLING AND STORAGE

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

#### 7.1. Precautions for safe handling

Always wash hands after handling.

##### Fire prevention :

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.

##### Prohibited equipment and procedures :

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

#### 7.2. Conditions for safe storage, including any incompatibilities

No data available.

#### |> 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

No data available.

### 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

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

#### - 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.

## >SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

#### General information :

Physical state : Fluid liquid.

#### > Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	234 °C
Flash Point :	116.00 °C.
Vapour pressure (50°C) :	Not relevant.
Vapour density :	4,9 Relative to air; air = 1
Density :	CoA
Water solubility :	Insoluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

### 9.2. Other information

No data available.

## >SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No data available.

#### > 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Keep away from :

- strong oxidising agents

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

**GAMMA OCTALACTONE N° 451 - V07030**

- carbon dioxide (CO2)

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances**

**Acute toxicity :**

GAMMA OCTALACTONE FCC (CAS: 104-50-7)

Oral route : LD50 = 4400 mg/kg  
Species : Rat

Dermal route : LD50 > 5000 mg/kg  
Species : Rabbit

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.2. Persistence and degradability**

**12.2.1. Substances**

GAMMA OCTALACTONE FCC (CAS: 104-50-7)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

**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.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the substance 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.

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number**

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**14.2. UN proper shipping name**

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

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**14.4. Packing group**

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**14.5. Environmental hazards**

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**14.6. Special precautions for user**

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**>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:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/217 (ATP 14)

**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**|> 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.

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 substance and not as a guarantee of the properties thereof.

**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).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.