

Product OCTACETAL BH7

Print Date 28.05.2013

Page 1 (9)

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name

: OCTACETAL BHT

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

Use of the Substance/Mixture : Ingredient used in Flavour and/or Fragrance preparations 1.3 Details of the supplier of the safety data sheet

Company	: IFF (GREAT BRITAIN) LTD. DUDDERY HILL
	CB9 8LG HAVERHILL
Telephone	: +441440715000
Telefax	: +441440762199
E-mail address	: sds@iff.com
Responsible/issuing person	<u> </u>

**1.4 Emergency telephone number** 

+44 1440 7 15000

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

#### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

#### 2.3 Other hazards

None reasonably foreseeable.

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical name of the substance	: 1,1-din	nethoxyoctane
Chemical characterization	: aliphati	c acetals



Product	OCTACETAL BHT
Tioudot	OCTITED ITTE DITT

Print Date	28.05.2013	Page 2 (9)
Molecular formula Molecular Weight	: C10H22O2 : 174,30 g/mol	
CAS-No. EINECS-No.	: 10022-28-3 : 233-018-4	

Hazardous components

Chemical Name	CAS-No. EC-No.	Classification	GHS Classification	Concentration [%]
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4	N; R50/53	Aquatic Chronic1; H410	0 - 0,25

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### 3.2 Mixtures

Not applicable, product is a substance.

4. First aid measures		
4.1 Description of first aid measu	res	
General advice	: Take Risk and Safety phrases (section 15) into account.	
If inhaled	: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.	
In case of skin contact	: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.	
In case of eye contact	: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.	
If swallowed	: Rinse mouth with water and obtain medical advice.	
4.2 Most important symptoms and effects, both acute and delayed		
Symptoms	: No information available.	
Risks	: No information available.	
4.3 Indication of any immediate r	nedical attention and special treatment needed	
Treatment	: No information available.	

# 5. Fire-fighting measures

5.1 Extinguishing media



Product OC	TACETAL BHT
Print Date 28.	D5.2013 Page 3 (9
Suitable extinguishing media	: Carbondioxide, dry chemical, foam.
Unsuitable extinguishing media	a : Do not use a direct waterjet on burning material.
5.2 Special hazards arising from the	ne substance or mixture
Specific hazards during fire fighting 5.3 Advice for firefighters	: Water may be ineffective.
Further information	: Standard procedure for chemical fires.
6. Accidental release me	isures
6.1 Personal precautions, protectiv	e equipment and emergency procedures
Personal precautions	: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.
6.2 Environmental precautions	
Environmental precautions	: Keep away from drains, surface- and groundwater and soil.
6.3 Methods and materials for con	tainment and cleaning up
Methods for cleaning up	: Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.
6.4 Reference to other sections	
Prevent spreading over a wide	area (e.g. by containment or oil barriers).
7. Handling and storage	
7.1 Precautions for safe handling	
Advice on safe handling	: Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.
	If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should
Version	: 1.5



Product	OCTACETAL BHT	
Print Date	28.05.2013	Page 4 (9)
Advice on protection aga fire and explosion	<ul> <li>be restricted to properly trained employees.</li> <li>Keep all heated processes at the lowest necessary tem order to minimize emissions of volatile chemicals int</li> <li>: Keep away from ignition sources and naked flame.</li> </ul>	1
7.2 Conditions for safe storage	ge, including any incompatibilities	
Requirements for storage and containers	e areas : Store in a cool, dry, ventilated area away from heat se containers upright and tightly closed when not in use	1
7.3 Specific end uses		
Specific use(s)	: No information available.	

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

#### **Engineering measures**

Where appropriate, use closed systems to transfer and process this material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

#### Personal protective equipment

Respiratory protection	<ul> <li>Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.</li> </ul>
	If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:
	a)while engineering controls and appropriate safe work practices and/or procedures are being implemented; or b)during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or



roduct	OCTACETAL BHT	
rint Date	28.05.2013 Page	5 (9)
	<ul> <li>c)if normal operational workplace vapor concentration in the air increased due to heat ;</li> <li>d)during emergencies; or</li> <li>e)if engineering controls and operational practices are not suffice to reduce airborne concentrations below an established occupation exposure limit.</li> </ul>	cient
Hand protection	: Avoid skin contact. Use chemically resistant gloves.	
Eye protection	: Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.	
Hygiene measures	<ul> <li>To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed this material.</li> <li>To the extent deemed appropriate, use an experienced air sample expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures an ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.</li> </ul>	to ling nd to
Environmental exposure	e controls	

General advice	: Keep away from drains, surface- and groundwater and soil.	
General advice	. Reep away from drains, surface- and groundwater and son.	

# 9. Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour Odour Odour Threshold Flash point Lower explosion limit	<ul> <li>colorless</li> <li>conforms to standard</li> <li>not determined</li> <li>85 °C</li> <li>not determined</li> </ul>
Upper explosion limit Flammability (solid, gas) Oxidizing properties Autoignition temperature pH Melting point Boiling point	<ul> <li>not determined</li> </ul>
Vapour pressure Density	<ul><li: 0,13="" calculated<="" hpa="" li=""><li>: not determined</li></li:></ul>



Product	OCTACETAL BHT
Print Date	28.05.2013 Page 6 (9)
Water solubility Partition coefficient: n- octanol/water Solubility in other solvents Viscosity, dynamic Viscosity, kinematic Relative vapour density Evaporation rate	<ul> <li>not determined</li> <li>log Pow: 3,854</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> </ul>
9.2 Other information	
Refractive index Relative density	: not determined : 0,8480
10. Stability and react	<i>ivity</i>
10.1 Reactivity	
No hazards to be specially	mentioned.
10.2 Chemical stability	
Stable under normal condi-	tions.
10.3 Possibility of hazardous r	eactions
Hazardous reactions	: Note: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
10.4 Conditions to avoid	
Conditions to avoid	: Direct sources of heat.
10.5 Incompatible materials	
Materials to avoid	: Avoid contact with strong acids, alkali or oxidizing agents.
10.6 Hazardous decomposition	ı products
Hazardous decomposition products	: Carbon monoxide and unidentified organic compounds may be formed during combustion.
11. Toxicological info	
11.1 Information on toxicologi	cal effects
Acute toxicity	
Skin corrosion/irritation	

Skin irritation	: No information available.
Skin irritation	: Species: rabbit



Product OCTACETAL BHT			
Print Date	28.05.2013	Page	7 (9)
	Result: No skin irritation		
Serious eye damage/eye	irritation		
No information available. Eye irritation	: Species: rabbit Result: Mild eye irritation		
Respiratory or skin sens	itization		
No information available. Germ cell mutagenicity			
No information available. Carcinogenicity			
No information available. <b>Reproductive toxicity</b>			
No information available. <b>Target Organ Systemic</b>	Foxicant - Single exposure		
No information available. Target Organ Systemic	Foxicant - Repeated exposure		
No information available. Aspiration hazard			
No information available.			
12. Ecological inform	nation		
12.1 Toxicity			
12.2 Persistence and degrada	bility		
No information available. 12.3 Bioaccumulative potenti	al		
No information available. <b>12.4 Mobility in soil</b>			
12.5 Results of PBT and vPvI	3 assessment		
12.6 Other adverse effects			
No information available.			

## 13. Disposal considerations

### 13.1 Waste treatment methods

Product

: Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.



Product	OCTACETAL BHT		
Print Date	28.05.2013	Page	8 (9)
Contaminated packaging	: Empty containers should be taken to an approved wast	te handli	ng

site for recycling or disposal.

14. Transport information			
ADR Not dangerous goods Environmentally hazardous IATA Not dangerous goods IMDG Not dangerous goods	: no		
Special precautions for user	: No special precautions required.		

### 15. Regulatory information

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

#### Labelling — EU Directives 67/548/EEC or 1999/45/EC—

Additional Info	:	Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Water contaminating class	:	WGK 2 water endangering
(Germany)		Classification according to Annex 3

#### **15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

### 16. Other information

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

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Full text of H-Statements referred to under sections 2 and 3.

H410 Very toxic to aquatic life with long lasting effects.

In December 2003, the National Institute for Occupational Safety and Health ("NIOSH") published an Alert on preventing lung disease in workers who use or make flavorings [NIOSH Publication Number 2004-110]. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled "Respiratory Safety in the Flavor Manufacturing Workplace".

R50/53



Product	OCTACETAL BHT		
Print Date	28.05.2013	Page	9 (9)

Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

The report published by FEMA also contains a list of "high priority" chemicals. If any of these chemicals are present in this product at a concentration  $\geq 1.0\%$  due to an intentional addition by IFF, the chemical(s) will be identified in this safety data sheet.

According to Regulation (EC) No. 1907/2006 the information in this safety data sheet is based on the properties of the material known to IFF at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment International Flavors & Fragrances holds no responsibility. This document is not intended for quality assurance purposes.