

Product SHANGRALIDE OLIFFAC 1010 Print Date 07.09.2012 Page 1 (12) 1. Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Trade name : SHANGRALIDE OLIFFAC 1010 : 30766811 Sales ID Customer Material Code : 30766811 1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture : Fragrance for consumer product 1.3 Details of the supplier of the safety data sheet Company : IFF (NEDERLAND) BV 60

	ZEVENHEUVELENWEG
	5048 AN TILBURG
Telephone	: +31134642211
Telefax	: +31134636032
E-mail address	: sds@iff.com
Responsible/issuing person	<u> </u>

1.4 Emergency telephone number

+31 13 4642 211

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1	H410: Very toxic to aquatic life with long lasting
	effects.

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

Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

Warning

·

Version Revision Date : 1.1 : 01.07.2011



Product	SHANGRALIDE OLIFFA	C 1010
Print Date	07.09.2012	Page 2 (12)
Hazard statements	: H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P273	Avoid release to the environment.

2.3 Other hazards

None reasonably foreseeable.

3. Composition/information on ingredients

3.1 Substances

Not applicable, product is a mixture. **3.2 Mixtures**

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran	1222-05-5 214-946-9 01-2119488227-29	N; R50/53	Aquatic Acute1; H400 Aquatic Chronic1; H410	50 - 100
6-(isopropyl)quinoline	135-79-5 205-220-2	T; R24 Xn; R22 Xi; R38	Acute Tox.2; H310 Acute Tox.4; H302 Skin Irrit.2; H315 Eye Irrit.2; H319	0 - 3

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

4. First aid measures

4.1 Description of first aid measures

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.



Product	SHANGRALIDE OLIFFAC 1010	
Print Date	07.09.2012 Page 3 (12)	
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 medical attention and special treatment needed		
Treatment	: No information available.	
5. Fire-fighting measures		

5.1 Extinguishing media	
Suitable extinguishing media	: Carbondioxide, dry chemical, foam.
Unsuitable extinguishing media	: Do not use a direct waterjet on burning material.
5.2 Special hazards arising from the	substance or mixture
Specific hazards during fire fighting	: Water may be ineffective.
5.3 Advice for firefighters	
Further information	: Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective	equ	ipment 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 containment 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.



ProductSHANGRALIDE OLIFFAC 1010Print Date07.09.2012

Page 4 (12)

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	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 be restricted to properly trained employees. Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.			
Advice on protection against fire and explosion	: Keep away from ignition sources and naked flame.			
7.2 Conditions for safe storage, inclu	uding any incompatibilities			
Requirements for storage areas	: Store in a cool, dry, ventilated area away from heat sources. Keep			

7.3 Specific end uses

and containers

Specific use(s)

: No information available.

containers upright and tightly closed when not in use.

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.



Product SHANGRALIDE OLIFFAC 1010 Print Date 07.09.2012 Page 5 (12) Personal protective equipment Respiratory protection : 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. 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 c)if normal operational workplace vapor concentration in the air is increased due to heat ; d)during emergencies; or e)if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit. Avoid skin contact. Use chemically resistant gloves. Hand protection Use tight-fitting goggles, face shield or safety glasses with side Eye protection : shields if eye contact might occur. To the extent deemed appropriate, implement pre-placement and Hygiene measures regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material. To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure. **Environmental exposure controls** General advice Keep away from drains, surface- and groundwater and soil.



ProductSHANGRALIDE OLIFFAC 1010Print Date07.09.2012

Page 6 (12)

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: colorless
Odour	: conforms to standard
Odour Threshold	: not determined
Flash point	: 104 °C
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: not determined
Oxidizing properties	: not determined
Autoignition temperature	: not determined
pН	: not determined
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: 0,02 hPa
Density	: not determined
Water solubility	: not determined
Partition coefficient: n-	: not determined
octanol/water	
Solubility in other solvents	: not determined
Viscosity, dynamic	: not determined
Viscosity, kinematic	: not determined
Relative vapour density	: not determined
Evaporation rate	: not determined
9.2 Other information	
Refractive index	: Note: not determined
Relative density	: 1,0020 - 1,0120
	, ,

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions

: Note: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.



Product	SHANGRALIDE OLIFFAC 1010
Print Date	07.09.2012 Page 7 (
10.4 Conditions to avoid	
Conditions to avoid	: Direct sources of heat.
0.5 Incompatible materials	
Materials to avoid	: Avoid contact with strong acids, alkali or oxidizing agents.
10.6 Hazardous decomposition	products
Hazardous decomposition products	: Carbon monoxide and unidentified organic compounds may be formed during combustion.
11. Toxicological info	rmation
11.1 Information on toxicolog	cal effects
Acute toxicity	
Acute oral toxicity	: Acute toxicity estimate: 4.545,4 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: 155.189,14 mg/kg Method: Calculation method
Skin corrosion/irritation	
6-(isopropyl)quinoline	 Species: human Result: No skin irritation Method: closed patch test Exposure time: 48 h Species: rabbit Result: Skin irritation Exposure time: 24 h
Serious eye damage/eye i	
No lead substance Respiratory or skin sensi	
6-(isopropyl)quinoline	 maximisation study Species: human Result: Did not cause sensitization on laboratory animals. Test substance: 2% in petrolatum
Germ cell mutagenicity	
· ·	with chronic toxicity hazard(s) is available upon request.



ProductSHANGRALIDE OLIFFAC 1010Print Date07.09.2012Page 8 (12)

Carcinogenicity

Information on ingredients with chronic toxicity hazard(s) is available upon request.

Reproductive toxicity

Information on ingredients with chronic toxicity hazard(s) is available upon request.

Target Organ Systemic Toxicant - Single exposure

Information on ingredients with chronic toxicity hazard(s) is available upon request.

Target Organ Systemic Toxicant - Repeated exposure

Information on ingredients with chronic toxicity hazard(s) is available upon request.

Aspiration hazard

No test data available. Ingredients with an aspiration hazard are identified in section 3.

12. Ecological information

12.1 Toxicity

Toxicity to fish 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	LC50: 0,452 mg/l Exposure time: 21 d Species: Lepomis macrochirus (Bluegill sunfish) Method: OECD Test Guideline 204
Toxicity to daphnia and other aquati 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	c invertebrates. EC50: 0,9 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202
Toxicity to algae 1,3,4,6,7,8-hexahydro- : 4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran	ErC50: > 0,854 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201 EbC50: 0,723 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201



Product	SHANGRALIDE OLIFFAC 1010		
Print Date	07.09.2012	Page	9 (12)
Toxicity to fish (Chronic 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]	: NOEC: 0,068 mg/l Exposure time: 36 d		
Toxicity to daphnia and o 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]	bother aquatic invertebrates. (Chronic toxicity) : NOEC: 0,111 mg/l Exposure time: 21 d Ipyran Species: Daphnia magna (Water flea) Method: OECD 211		
12.2 Persistence and degrada	ability		
Biodegradability 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]	: Result: Not readily biodegradable. 2 % Method: Modified Sturm Test		
12.3 Bioaccumulative potent	ial		
Bioaccumulation 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]	 Species: Lepomis macrochirus (Bluegill sunfish) Exposure time: 28 d Bioconcentration factor (BCF): 1.584 Method: OECD 305 		
12.4 Mobility in soil			
Mobility	: no data available		
Distribution among envir 1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8-	: Log Koc: 4,39		

hexamethylindeno[5,6-c]pyran

12.5 Results of PBT and vPvB assessment

This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).



Product	SHANGRALIDE OLIFFAC 1010	
Print Date	07.09.2012	Page 10 (12)
12.6 Other adverse effects		
Additional ecological information	: There is no data available for this product.	
13. Disposal consider	rations	
13.1 Waste treatment method	s	
Product	: Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.	
Contaminated packaging	: Empty containers should be taken to an approved recycling or disposal.	waste handling site for
14. Transport info	rmation	
ADR	. 2022	
UN number Description of the goods	 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN) 	
Labels	: 9	
Packing group Environmentally hazardous	: III : yes	
IATA		
UN number	: 3082	
Description of the goods	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE (HEXAMETHYLINDANOPYRAN)	., LIQUID, N.U.S.
Labels	: 9	
Packing group	: III	
Environmentally hazardous	: yes	
IMDG		
UN number	: 3082	
Description of the goods	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLINDANOPYRAN)	
Labels	: 9	
Packing group	: III	
Marine pollutant	: yes	
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



Product		SHANGRALIDE OLIFFAC 1010		
Print Date		07.09.2012	Page	11 (12)
Labelling # EU Directives 67/548/EEC or 1999/45/EC—				
Symbol(s)	:	N Dangerous for the environment		
R-phrase(s)	:	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
S-phrase(s)	:	S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.		
Water contaminating (Germany)	g class	: WGK 2 water endangering		

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			
Harmful if swallowed.			
Toxic in contact with skin.			
Irritating to skin.			
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.

H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Further information

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".

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.



ProductSHANGRALIDE OLIFFAC 1010Print Date07.09.2012Page12 (12)

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.