

Product

VIOLIFF (ELINCS)

Print Date

28.04.2015

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING			
Product name	:	VIOLIFF (ELINCS)	
IFF Code	:	00220576	
Cust. Material	:	00220576	
Use of the Substance/Mixture	:	Ingredient used in Flavour and/or Fragrance preparations	
Company	:	IFF Benicarló, S.L.	
		Avda. Felipe Klein 2 12580 BENICARLÓ	
		12500 DEINICARLO	
Telephone	:	+34964470212	
Emergency telephone number	:	+34 964 470 212	

2. HAZARDS IDENTIFICATION

GHS-Classification

Acute toxicity, Category 5, Oral Skin corrosion/irritation, Category 3 Skin sensitization, Category 1 Acute aquatic toxicity, Category 2

GHS-Labelling

Symbol(s)	
Signal word	: Warning
Hazard statements	 H303: May be harmful if swallowed. H316: Causes mild skin irritation. H317: May cause an allergic skin reaction. H401: Toxic to aquatic life.
Precautionary statements	 P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P312: Call a POISON CENTER or doctor/ physician if you feel unwell. P321: Specific treatment (see supplemental first aid instructions on this label). P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.
Version Pavision Data	: 4

Revision Date

: 25.04.2014



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	P363: Wash contaminated clothing before reuse.
	P501: Dispose of contents/ container to an approved waste disposal plant.
3. COMPOSITION/INFORM	AATION ON INGREDIENTS
Chemical characterization Molecular formula Molecular Weight CAS-No. EC-No.	 esters of alicyclic acids C10 H16 O3 184.20 g/mol 87731-18-8 006-071-00-4-0
4. FIRST AID MEASURES	
Inhalation	: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.
Skin contact	: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
Eye contact	: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Ingestion	: Rinse mouth with water and obtain medical advice.
5. FIREFIGHTING MEASU	IRES
Suitable extinguishing media	: Carbondioxide, dry chemical, foam.
6. ACCIDENTAL RELEASE	MEASURES
Personal precautions	: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.
Environmental precautions	: Keep away from drains, surface- and groundwater and soil.
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.
7. HANDLING AND STORA	GE
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
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	before re-use.		
	If appropriate, procedures used during the handling of this should also be used when cleaning equipment or removing chemicals from tanks or other containers, especially when hot water is used, as this may increase vapor concentration workplace air. Where chemicals are openly handled, access be restricted to properly trained employees. Keep all heated processes at the lowest necessary temperar order to minimize emissions of volatile chemicals into the	g residua steam o is in the s should ture in	ll r
Advice on protection against field explosion	ire and : Keep away from ignition sources and naked flame.		
Storage			
Requirements for storage areas containers	s and : Store in a cool, dry, ventilated area away from heat source containers upright and tightly closed when not in use.	s. Keep	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Verify if the substances declared in section 3 have relevant national exposure limits.

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.
Hygiene measures	: To the extent deemed appropriate, implement pre-placement and
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	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.	
Protective measures	 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 >= 1.0% due to an intentional addition by IFF, the chemical(s) will be identified in this safety data sheet. 	

9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance		
Physical state Colour	liquidcolorless to pale yellow	
Odour	: conforms to standard	
Safety data		
Flash point	: 110 °C	
Ignition temperature	: >100 °C	
Vapour pressure	: 0.03 hPa Note: Calculated	
Partition coefficient: n- octanol/water	: log Pow: 2.900	
10. STABILITY AND REACTIV	VITY	
Conditions to avoid	: Remarks: Direct sources of heat.	
Hazardous decomposition produc	cts : Note: Carbon monoxide and unidentified organic compounds may	
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Hazardous reactions	be formed during combustion.Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
11. TOXICOLOGICAL INFO	PRMATION
Acute oral toxicity Acute dermal toxicity Skin irritation Eye irritation Sensitisation	 LD50 (rat) = 3,100 mg/kg LD50 (rat) = > 2,000 mg/kg No skin irritation (, rabbit, 4 h) No eye irritation (, rabbit, (undiluted))) Causes sensitization. (,guinea pig, 3.0% in ethanol) Does not cause skin sensitization. (,human, 2% in ethanol)
12. ECOLOGICAL INFORM	ATION
Elimination information (pers Biodegradability Ecotoxicity effects Toxicity to fish Toxicity to daphnia and other aquatic invertebrates	 sistence and degradability) Readily biodegradable. (68 %) LC50(96 h,) = 29 mg/l EC50(48 h,) = 26 mg/l
13. DISPOSAL CONSIDERA	TIONS
Product Contaminated packaging	 Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.
14. TRANSPORT INFORMA	TION
IATA Not dangerous goods IMDG_GLOBAL Not dangerous goods	
15. REGULATORY INFORM	IATION
Labelling according to EC Dire Symbol(s)	ctives1999/45/EC : Xi Irritant
R-phrase(s)	: R43 May cause sensitization by skin contact.
S-phrase(s)	: S24 Avoid contact with skin. S37 Wear suitable gloves.
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HMIS Classification	: Health hazard: 2 Flammability: 1 Physical and chemical hazards: 0		

16. OTHER INFORMATION

Further information

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.