

Product	APPLELIDE (ELINCS) STABILIFF	
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1. Identification of the	e substance/mixture and of the company	y/undertaking
1.1 Product identifier		
Trade name Registration number	: APPLELIDE (ELINCS) STABILIFF : 01-0000019245-71-0000	
Substance name Substance No. 1.2 Relevant identified uses of	 Propanedioic acid, 1-(3,3-dimethylcyclohexy 455-260-1 the substance or mixture and uses advised against 	l)ethyl ethyl ester
Use of the Substance/Mixtu 1.3 Details of the supplier of the	8	preparations
Company Telephone	 : IFF (GREAT BRITAIN) LTD. DUDDERY HILL CB9 8LG HAVERHILL : +441440715000 	
Telefax	: +441440762199	
E-mail address	: sds@iff.com	
Responsible/issuing person		
1.4 Emergency telephone num	ber	
+44 1440 7 15000		

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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 hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

None reasonably foreseeable.

3. Composition/information on ingredients

3.1 Substances

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Chemical name of the substan- Chemical characterization Molecular formula Molecular Weight CAS-No. EINECS-No. REACH No.	 Propanedioic acid, 1-(3,3-dimethylcyclohexyl)ethyl ethyl alicyclic ethers C15 H26 O4 270,18 g/mol 478695-70-4 455-260-1 01-0000019245-71-0000 	ester	
Remarks	:		

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 meas	Jures	
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 a	and effects, both acute and delayed	
Symptoms	: No information available.	
Risks	: No information available.	
.3 Indication of any immediate medical attention and special treatment needed		
Treatment	: No information available.	
5. Firefighting measur	5. Firefighting measures	
5.1 Extinguishing media		

Suitable extinguishing media : Carbondioxide, dry chemical, foam.



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Unsuitable extinguishing	media : Do not use a direct waterjet on burning material.	
5.2 Special hazards arising fr	com the substance or mixture	
Specific hazards during firefighting 5.3 Advice for firefighters	: Water may be ineffective.	
Further information	: Standard procedure for chemical fires.	
6. Accidental release	measures	
6.1 Personal precautions, pro	otective equipment and emergency procedures	
Personal precautions	: Avoid inhalation and contact with skin and eyes. breathing apparatus is recommended in case of a	
6.2 Environmental precautio	ns	
Environmental precaution	is : Keep away from drains, surface- and groundwate	er and soil.
6.3 Methods and materials for	or containment and cleaning up	
Methods for cleaning up	: Clean up spillage promptly. Remove ignition sou adequate ventilation. Avoid excessive inhalation spillages should be contained by use of sand or in disposed of according to the local regulations.	of vapours. Gross
6.4 Reference to other section	ns	
Prevent spreading over a	wide area (e.g. by containment or oil barriers).	
7. Handling and stor	rage	
7.1 Precautions for safe hand	lling	
Advice on safe handling	: Avoid excessive inhalation of concentrated vapor manufacturing practices for housekeeping and pe Wash any exposed skin immediately after any ch before breaks and meals, and at the end of each v Contaminated clothing and shoes should be thore before re-use.	ersonal hygiene. emical contact, vork period.
	If appropriate, procedures used during the handli should also be used when cleaning equipment or chemicals from tanks or other containers, especia hot water is used, as this may increase vapor con- workplace air. Where chemicals are openly hand be restricted to properly trained employees. Keep all heated processes at the lowest necessary	removing residual ally when steam or centrations in the led, access should



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	order to minimize emissions of volatile chemi	icals into the air.
Advice on protection aga fire and explosion	ainst : Keep away from ignition sources and naked f	lame.
7.2 Conditions for safe stora	ge, including any incompatibilities	
Requirements for storage and containers	e areas : Store in a cool, dry, ventilated area away from containers upright and tightly closed when no	
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	 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 ;



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	d)during emergencies; or e)if engineering controls and operational practices are no to reduce airborne concentrations below an established of exposure limit.	
Hand protection	: Avoid skin contact. Use chemically resistant gloves.	
Eye protection	: Use tight-fitting goggles, face shield or safety glasses wi shields if eye contact might occur.	th side
Hygiene measures	 To the extent deemed appropriate, implement pre-placer regularly scheduled ascertainment of symptoms and spir testing of lung function for workers who are regularly ex this material. To the extent deemed appropriate, use an experienced ai expert to identify and measure volatile chemicals that co present in the workplace air to determine potential expose ensure the continuing effectiveness of engineering contro operational practices to minimize exposure. 	rometry kposed to rr sampling buld be sures and to
Environmental exposure	e controls	

General advice

: Keep away from drains, surface- and groundwater and soil.

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	: 94 °C
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: not determined
Oxidizing properties	: not determined
Autoignition temperature	: not determined
pH	: not determined
Melting point	: not determined
Boiling point	: 288,60 °C
Vapour pressure	: 0,001 hPa at 25 °C
	Method: EU Method A.4
Density	: not determined
Water solubility	: not determined

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Partition coefficient: n- octanol/water Solubility in other solvents Viscosity, dynamic Viscosity, kinematic Relative vapour density Evaporation rate	 not determined 		
9.2 Other information			
Refractive index Relative density	: not determined : 1,0020 - 1,0100		
10. Stability and reactiv			
10.1 Reactivity			
No hazards to be specially m	entioned.		
10.2 Chemical stability			
Stable under normal conditio	18.		
10.3 Possibility of hazardous rea	ctions		
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 p	roducts		
Hazardous decomposition products	: Carbon monoxide and unidentified organic compound formed during combustion.	nds may b	e

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

: LD50: > 2.500 mg/kg Species: rat Remarks: IFF



roduct	APPLELIDE (ELINCS) STABILIFF	
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Acute dermal toxicity	: LD50: >2.000 mg/kg Species: rabbit	
Skin corrosion/irritation		
Skin irritation Skin irritation	No information available.Species: rabbit Result: Mild skin irritation	
Serious eye damage/eye ii	ritation	
No information available. Eye irritation	: Species: rabbit Result: Mild eye irritation	
Respiratory or skin sensit	ization	
No information available. Sensitisation	: Species: human Result: Did not cause sensitization on laboratory ani Test substance: 4.0% in ethanol/DEP (75:25)	mals.
Germ cell mutagenicity		
No information available. Carcinogenicity		
No information available. Reproductive toxicity		
No information available. Target Organ Systemic T	oxicant - Single exposure	
No information available. Target Organ Systemic T	oxicant - Repeated exposure	
No information available. Aspiration hazard		
No information available.		
2. Ecological inform	ation	
2.1 Toxicity		
Toxicity to fish	: LC50: 0,79 mg/l Exposure time: 96 h	
Toxicity to daphnia and oth aquatic invertebrates	er : EC50: 3,4 mg/l Exposure time: 48 h	



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Toxicity to algae	: ErC50: 0,46 mg/l
	Exposure time: 72 h
	: EbC50: 0,22 mg/l Exposure time: 72 h
12.2 Persistence and degrad	lability
No information availabl	e.
Biodegradability	: Result: Biodegradable, but does not meet 10-day window 89 %
12.3 Bioaccumulative poten	tial
No information availabl 12.4 Mobility in soil	e.
12.5 Results of PBT and vP	vB assessment
12.6 Other adverse effects	
No information availabl	e.
13. Disposal conside	erations
13.1 Waste treatment method	ods
Product	: Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.
Contaminated packaging	g : Empty containers should be taken to an approved waste handling site for recycling or disposal.
14. Transport inform	nation
ADR Not dangerous goods Environmentally hazardous	: no

IATA Not dangerous goods IMDG Not dangerous goods

Special precautions for : No special precautions required. user



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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 (Germany)	:	WGK 2 water endangering 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

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

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 (Updated in 2012), 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.

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.