



SAFETY DATA SHEET

Issuing date 29-Jun-2016

Revision Date 29-Jun-2016

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name HYACINTH ACCORD FRAGRANCE
Product code 128L22

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

Recommended Use Industrial (not for food or food contact use)
Product Type Fragrance
Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Supplier Address Flavor & Fragrance Specialties
3 Industrial Ave. Mahwah, New Jersey 07430
1-201-825-2025 / 1-800-998-4337
<http://www.ffi.com>

For further information, please contact:

E-mail Address www.regulatory@ffi.com

1.4 Emergency telephone number

Chemical Emergency Phone Number Chemtrec 1-800-424-9300
Company Emergency Phone Number 1-201-825-2025 / 1-800-998-4337
Emergency telephone 1-973-248-0278
Europe 112

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Chronic aquatic toxicity	Category 2

2.2 Label elements



Signal Word

Warning

Hazard Statements

H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313 - IF exposed or concerned: Get medical advice/ attention
P321 - Specific treatment (see supplemental first aid instructions on this label)
P330 - Rinse mouth
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P391 - Collect spillage
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P321 - Specific treatment (see supplemental first aid instructions on this label)

2.3 Other information

General Hazards

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical Name	EC Number	CAS-No	*Weight %	GHS Classification (Reg. 1272/2008)	REACH Registration Number
2-Phenylethanol	200-456-2	60-12-8	40-50	Acute Tox. 4 (H302) Eye Irrit. 2A (H319) Acute Tox. 5 (H313) Skin Corr. 3 (H316)	no data available
3-p-Cumenyl-2-methyl propionaldehyde	203-161-7	103-95-7	10-20	Acute Tox. 5 (H303) Liq. 4 (H227) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)	no data available
2-(4-tert-Butylbenzyl)propionaldehyde	201-289-8	80-54-6	10-20	Acute Tox. 4 (H302) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411) REP 2 (H361) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	no data available
Benzyl salicylate	204-262-9	118-58-1	10-20	Acute Tox. 5 (H303) Eye Irrit. 2B (H320) Skin Sens. 1B (H317) Aquatic Acute 2 (H401)	no data available
Benzyl acetate	205-399-7	140-11-4	10-20	Acute Tox. 5 (H303) Irrit. 3 (H316) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)	no data available
Eugenol	202-589-1	97-53-0	1-5	Acute Tox. 5 (H303) Irrit. 2A (H319) Skin Irrit. 3 (H316) Skin Sens. 1B (H317) Aquatic Acute 2 (H401)	no data available
HYDRATROP ALDE DIMET ACE	202-022-8	90-87-9	1-5	Acute Tox. 4 (H302) Flam. Liq. 4 (H227) Skin Irrit. 3 (H316)	no data available
Oxydipropanol	246-770-3	25265-71-8	1-5	NC (H000)	no data available
INDOLE PURE	204-420-7	120-72-9	<1	Acute Tox. 3 (H311) Acute Tox. 4 (H302)	no data available

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation	Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Long Term Effects No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Special Hazard

None.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

See Section 12 for additional Ecological Information.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

Other information See Section 12 for additional Ecological Information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

7.3 Specific end uses

Specific use(s) No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
2-Phenylethanol					Skin
Benzyl acetate				TWA: 10 ppm TWA: 62 mg/m ³	
DPG (DIPROPYLENE GLYCOL)					TWA: 100 mg/m ³ Ceiling / Peak: 200 mg/m ³

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Benzyl acetate		TWA: 10 ppm			TWA: 10 ppm TWA: 61 mg/m ³

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
DPG (DIPROPYLENE GLYCOL)		STEL: 280 mg/m ³ TWA: 140 mg/m ³			

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Eye Protection Wear protective gloves and eye/face protection
Hand Protection Protective gloves
Skin and body protection Lightweight protective clothing Apron Impervious gloves Long sleeved clothing
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations
 Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type A, organic gases and vapors filter (as specified by the manufacturer) in combination with Type P2 - Medium efficiency particle filters may be used

Hygiene measures When using, do not eat, drink or smoke Remove and wash contaminated clothing before re-use Provide regular cleaning of equipment, work area and clothing

Environmental Exposure Controls Do not allow material to contaminate ground water system

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Odor	Characteristic	Color	Characteristic
Odor Threshold	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range		No information available
Flash Point	> 93.33 °C / > 200 °F	Closed cup
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.021	@ 22 °C
Water solubility	Oil Soluble	No information available
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available

Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Upper/Lower Explosive limits (vol%)	No information available
Oxidizing Properties	No information available

9.2 Other information

Softening point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density VALUE	No information available
Bulk Density VALUE	No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

None known based on information supplied.

10.6 Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product Information

This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considered and handled as if it displayed health hazards and consequently treated with all possible precaution.

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion There is no data available for this product.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Phenylethanol	1610 mg/kg	2500 mg/kg	1.38 mg/L (Rat) 4 h
3-p-Cumenyl-2-methylpropionaldehyde	3810 mg/kg	5 g/kg (Rat)	
2-(4-tert-Butylbenzyl)propionaldehyde	1390 mg/kg	2000 mg/kg (Rat)	
Benzyl salicylate	2200 mg/kg	14150 mg/kg (Rabbit)	
Benzyl acetate	2490 mg/kg	5000 mg/kg (Rabbit) 5 g/kg (Rabbit)	
Eugenol	2300 mg/kg		
HYDRATROP ALDE DIMET ACE	1850 mg/kg		
Oxydipropanol	14850 mg/kg (Rat)	20 mL/kg (Rabbit)	
INDOLE PURE	1000 mg/kg	790 mg/kg	

Chronic toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Sensitization No information available

Reproductive toxicity Suspected of damaging fertility or the unborn child

Target Organ Effects No information available

Endocrine Disruptor Information None known

ATE (Acute Toxicity Estimate)

Oral 1,988.00 mg/kg
Dermal 3,425.00 mg/kg
Inhalation No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. .

Chemical Name	Toxicity to algae	Toxicity to fish
2-Phenylethanol	EC50: 490 mg/L <i>Desmodesmus subspicatus</i> (72h)	
2-(4-tert-Butylbenzyl)propionaldehyde		

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
---------------	---------

2-Phenylethanol	1.38
2-(4-tert-Butylbenzyl)propionaldehyde	4.2
Benzyl acetate	1.96

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods.

Waste from residues / unused products	Dispose of in accordance with local regulations. Do not empty into drains.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

Dot	Not regulated
IMDG / IMO	
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s (CYCLAMEN ALDEHYDE EXTRA AND LILIAL)
Hazard class	9
UN/ID No	3082
Packing Group	III
EmS No.	F-A, S-F
ICAO/IATA	
UN/ID No	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s (CYCLAMEN ALDEHYDE EXTRA AND LILIAL)
Hazard class	9
Packing Group	III
ADR/RID	
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s (CYCLAMEN ALDEHYDE EXTRA AND LILIAL)
Hazard class	9
UN/ID No	3082
Packing Group	III
Tunnel Restriction Code	E

Excepted Quantity

E1

15. REGULATORY INFORMATION

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

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

FEMA High Priority Substances

Not applicable

15.2 Chemical Safety Assessment

No information available

16. OTHER INFORMATION

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

H303 - May be harmful if swallowed

H227 - Combustible liquid

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H401 - Toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects

H320 - Causes eye irritation

H311 - Toxic in contact with skin

H302 - Harmful if swallowed

H316 - Causes mild skin irritation

H319 - Causes serious eye irritation

H313 - May be harmful in contact with skin

H411 - Toxic to aquatic life with long lasting effects

H361 - Suspected of damaging fertility or the unborn child if inhaled

Revision Date 29-Jun-2016

Revision Note not applicable.

** This product contains no added diacetyl as an ingredient. But, because diacetyl can occur in small amounts as an artifact of the production process in other ingredients, "No Added Diacetyl" products may not be "Diacetyl Free", as trace amounts may be present.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.