

OIL, TAHITIAN VANILLA* Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

		Issue date			Supersedes: 03/31/2023	
SECTION 1:	Identification					
	ication					
Product form			: Mixture			
Product name			: OIL, TAHITIA	N VANILLA*		
CAS-No.			N/A			
Product code			: 90-2757-05			
1.2. Recon	nmended use and	restrictions	on use			
1.3. Suppli	er					
T 574-259-7000						
1.4. Emerg	ency telephone n	umber				
Emergency num	ber		: CHEMTREC CCN 13010	- USA: 800-424-9300 Interna	ational: +1 703-527-3887 / 1-{	800-424-9300
SECTION 2:	Hazard(s) ider	tification				
2.1. Classi ⁻						
L.I. 010331	fication of the sub	ostance or mi	xture			
GHS US classifi		ostance or mi	xture			
GHS US classifi Flammable liquid Skin sensitizatior	cation s Category 4		Comb May c	ustible liquid ause an allergic skin reaction ause damage to organs throug	gh prolonged or repeated exp	osure
GHS US classifi Flammable liquid Skin sensitizatior Specific target or Category 2	cation Is Category 4 n, Category 1	ted exposure)	Comb May c May c	ause an allergic skin reaction ause damage to organs throug	gh prolonged or repeated exp	osure
GHS US classifi Flammable liquid Skin sensitizatior Specific target or Category 2	cation ls Category 4 n, Category 1 gan toxicity (repea abel elements, inc	ted exposure)	Comb May c May c	ause an allergic skin reaction ause damage to organs throug	gh prolonged or repeated exp	osure
GHS US classifi Flammable liquid Skin sensitization Specific target on Category 2 2.2. GHS L	cation Is Category 4 h, Category 1 gan toxicity (repea abel elements, inc g	ted exposure)	Comb May c May c	ause an allergic skin reaction ause damage to organs throug	gh prolonged or repeated exp	osure
GHS US classifi Flammable liquid Skin sensitization Specific target or Category 2 2.2. GHS L GHS US labeling	cation ls Category 4 h, Category 1 gan toxicity (repea abel elements, inc g ns (GHS US)	ted exposure)	Comb May o May o nutionary statem	ause an allergic skin reaction ause damage to organs throug nents	gh prolonged or repeated exp	osure
GHS US classifi Flammable liquid Skin sensitization Specific target or Category 2 2.2. GHS L GHS US labeling Hazard pictogram	cation ls Category 4 n, Category 1 gan toxicity (repea abel elements, in g ns (GHS US) S US)	ted exposure)	Comb May o May o eutionary statem : : : : : : : : : : : : : : : : : : :	ause an allergic skin reaction ause damage to organs throug nents		osure

2.3. Other hazards which do not result in classification

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures Name DIETHYL PHTHALATE ETHYL VANILLIN

DIETHYL PHTHALATE	(CAS-No.) 84-66-2	10 – 25	Acute Tox. 4 (Inhalation:dust,mist), H332
ETHYL VANILLIN	(CAS-No.) 121-32-4	5 – 10	Eye Irrit. 2B, H320
ANISIC ALDEHYDE	(CAS-No.) 123-11-5	1 – 5	STOT RE 2, H373
ETHYL MALTOL	(CAS-No.) 4940-11-8	1 – 5	Acute Tox. 4 (Oral), H302
ETHYL BUTYRATE	(CAS-No.) 105-54-4	1 – 5	Flam. Liq. 3, H226 Eye Irrit. 2A, H319
Methylcyclopentenolone	(CAS-No.) 80-71-7	1 – 5	Acute Tox. 4 (Oral), H302
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	(CAS-No.) 3658-77-3	0.1 – 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317

%

GHS US classification

Product identifier

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	s (acute and delayed)
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.
4.3. Immediate medical attention and spe	cial treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
SECTION 5: Fire-fighting measures 5.1. Suitable (and unsuitable) extinguishing	ng media
	ng media : Water spray. Dry powder. Foam. Carbon dioxide.
5.1. Suitable (and unsuitable) extinguishi	•
5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.
5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the chemical 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the cher Fire hazard 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the chee Fire hazard Explosion hazard 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid. No direct explosion hazard. The product is non-reactive under normal conditions of use, storage and transport.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the chee Fire hazard Explosion hazard Reactivity 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid. No direct explosion hazard. The product is non-reactive under normal conditions of use, storage and transport.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the chee Fire hazard Explosion hazard Reactivity 5.3. Special protective equipment and press 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid. No direct explosion hazard. The product is non-reactive under normal conditions of use, storage and transport. coutions for fire-fighters Fight fire from safe distance and protected location. Do not enter fire area without proper
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the chee Fire hazard Explosion hazard Reactivity 5.3. Special protective equipment and press Firefighting instructions 	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid. No direct explosion hazard. The product is non-reactive under normal conditions of use, storage and transport. Fourtier of the fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
 5.1. Suitable (and unsuitable) extinguishing Suitable extinguishing media Unsuitable extinguishing media 5.2. Specific hazards arising from the cheer of the second second	 Water spray. Dry powder. Foam. Carbon dioxide. Do not use a heavy water stream. mical Combustible liquid. No direct explosion hazard. The product is non-reactive under normal conditions of use, storage and transport. Ecautions for fire-fighters Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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6.1.1.	For non-emergency personnel		
Protectiv	e equipment	:	Wear recommended personal protective equipment.
Emerger	ncy procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
6.1.2.	For emergency responders		
Protectiv	re equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emerger	ncy procedures	:	Evacuate unnecessary personnel. Stop leak if safe to do so.
6.2.	Environmental precautions		
Avoid re	lease to the environment.		
6.3.	Methods and material for containme	ent	and cleaning up
For cont	ainment	:	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods	for cleaning up	:	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other inf	formation	:	Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections		
For furth	er information refer to section 13.		
SECTI	ON 7: Handling and storage		
7.1.	Precautions for safe handling		
Addition	al hazards when processed	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Precauti	ons for safe handling	:	Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Hygiene	measures	:	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2.	Conditions for safe storage	e, including any incompatibilities
Technic	al measures	: Keep in a cool, well-ventilated place away from heat.
Storage	conditions	: Store in a well-ventilated place. Keep cool.
Packagi	ing materials	: Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OIL, TAHITIAN VANILLA* (N/A)	
No additional information available	
Methylcyclopentenolone (80-71-7)	
No additional information available	
ETHYL VANILLIN (121-32-4)	
No additional information available	
ETHYL MALTOL (4940-11-8)	
No additional information available	
ANISIC ALDEHYDE (123-11-5)	
No additional information available	
DIETHYL PHTHALATE (84-66-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Diethyl phthalate
ACGIH OEL TWA	5 mg/m³
Remark (ACGIH)	URT irr
ETHYL BUTYRATE (105-54-4)	
No additional information available	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4-Hydroxy-2,5-dimethyl-3(2H)-furanone (3658-77-3)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and o	chemical properties
Physical state	: Liquid
Color	: COLORLESS, PALE YELLOW, PALE AMBER/ORANGE LIQUID
Odor	: CHARACTERISTIC, MATCHING THE RETAINER SAMPLE.
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 84 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.971 (0.961 – 0.981)
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2. Other information	· 1 AGE (1 AEE 1 ATE)
	: 1.465 (1.455 – 1.475)
ECTION 10: Stability and reactivi	ty
0.1. Reactivity	ditions of our stands and the second
he product is non-reactive under normal con	
0.2. Chemical stability	
table under normal conditions.	
0.3. Possibility of hazardous reaction	
o dangerous reactions known under normal	conditions of use.
0.4. Conditions to avoid	na na saulus. Eliminato ell'accurace eficipitica
	nes, no sparks. Eliminate all sources of ignition.
0.5. Incompatible materials	
lo additional information available	
0.6. Hazardous decomposition produc	
~	nazardous decomposition products should not be produced.
SECTION 11: Toxicological inform	ation
1.1. Information on toxicological effect	
cute toxicity (oral)	: Not classified
cute toxicity (dermal)	: Not classified
cute toxicity (inhalation)	: Not classified
Methylcyclopentenolone (80-71-7)	
ATE US (oral)	1067 mg/kg body weight
ETHYL VANILLIN (121-32-4)	
LD50 oral rat	> 3160 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE US (oral)	3000 mg/kg body weight
ETHYL MALTOL (4940-11-8)	
LD50 oral rat	1220 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: no indication of skin irritation up to the relevant limit dose level
ATE US (oral)	1200 mg/kg body weight
ANISIC ALDEHYDE (123-11-5)	
LD50 oral rat	3210 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Experimental value, Dermal, 14 day(s))
ATE US (oral)	3210 mg/kg body weight
DIETHYL PHTHALATE (84-66-2)	
LD50 oral rat	> 5991 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 11181 mg/kg body weight (24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.64 mg/l (6 h, Rat, Experimental value, Inhalation, 14 day(s))
ETHYL BUTYRATE (105-54-4)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat [ppm]	> 4000 ppm Animal: rat, Guideline: other:, Remarks on results: other:
4-Hydroxy-2,5-dimethyl-3(2H)-furanone (3	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
ETHYL MALTOL (4940-11-8)	
NOAEL (oral,rat,90 days)	≥ 200 mg/kg body weight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
ANISIC ALDEHYDE (123-11-5)	
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

SECTION 12: Ecological information 12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

ETHYL VANILLIN (121-32-4)	
LC50 - Fish [1]	87.6 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	26.2 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	5.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
ETHYL MALTOL (4940-11-8)	
LC50 - Fish [1]	> 85 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	27 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
ErC50 algae	7.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
ANISIC ALDEHYDE (123-11-5)	
LC50 - Fish [1]	148.32 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	82.8 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)
ErC50 algae	61 mg/l (DIN 38412-9, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
LOEC (chronic)	1.53 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.71 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DIETHYL PHTHALATE (84-66-2)	
LC50 - Fish [1]	12 mg/l (EPA 660/3 - 75/009, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)
ErC50 algae	45 mg/l (Equivalent or similar to OECD 201, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
ETHYL BUTYRATE (105-54-4)	
LC50 - Fish [1]	≥ 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	116.6 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	28833 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	1483 mg/l Test organisms (species): other: Duration: '28 d'

12.2. Persistence and degradability

ETHYL MALTOL (4940-11-8)	
Persistence and degradability Readily biodegradable in water.	
ANISIC ALDEHYDE (123-11-5)	
Persistence and degradability Readily biodegradable in water.	
DIETHYL PHTHALATE (84-66-2)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

12.3. Bioaccumulative potential

ETHYL MALTOL (4940-11-8)		
Partition coefficient n-octanol/water (Log Pow)	2.9 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
ANISIC ALDEHYDE (123-11-5)		
Partition coefficient n-octanol/water (Log Pow)	1.56 (Practical experience/observation, Equivalent or similar to OECD 107, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
DIETHYL PHTHALATE (84-66-2)		
Partition coefficient n-octanol/water (Log Pow)	2.2 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. Mobility in soil

ETHYL MALTOL (4940-11-8)		
Ecology - soil	No (test)data on mobility of the substance available.	
ANISIC ALDEHYDE (123-11-5)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Experimental value)	
Ecology - soil	Highly mobile in soil.	
DIETHYL PHTHALATE (84-66-2)		
Surface tension	37.5 mN/m (20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.34 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)	
Ecology - soil	Low potential for adsorption in soil.	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal c	onsiderations
13.1. Disposal methods	
Regional waste regulation	: Disposal must be done according to official regulations.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. : Disposal must be done according to official regulations. Sewage disposal recommendations Product/Packaging disposal recommendations Disposal must be done according to official regulations. Additional information : Do not re-use empty containers. **SECTION 14: Transport information Department of Transportation (DOT)** In accordance with DOT Transport document description (DOT) : UN1266 Perfumery products (Regulated for Bulk only), Comb Liq, III UN-No.(DOT) UN1266 Proper Shipping Name (DOT) : Perfumery products (Regulated for Bulk only) Class (DOT) : Comb Lig - Combustible liquid Packing group (DOT) III - Minor Danger DOT Packaging Non Bulk (49 CFR 173.xxx) 203 : DOT Packaging Bulk (49 CFR 173.xxx) : 242 DOT Special Provisions (49 CFR 172.102) : B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. DOT Packaging Exceptions (49 CFR 173.xxx) : 150 DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75) **DOT Vessel Stowage Location** : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. Emergency Response Guide (ERG) Number : 127 Other information : No supplementary information available.

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methylcyclopentenolone (80-71-7)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
ETHYL VANILLIN (121-32-4)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
ANISIC ALDEHYDE (123-11-5)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
DIETHYL PHTHALATE (84-66-2)	
Listed on the United States TSCA (Toxic Substar Not subject to reporting requirements of the Unite	
CERCLA RQ	1000 lb
ETHYL BUTYRATE (105-54-4)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
4-Hydroxy-2,5-dimethyl-3(2H)-furanone (3658-	77-3)
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory

15.2. International regulations CANADA

Methylcyclopentenolone (80-71-7)
Listed on the Canadian DSL (Domestic Substances List)
ETHYL VANILLIN (121-32-4)
Listed on the Canadian DSL (Domestic Substances List)
ETHYL MALTOL (4940-11-8)
Listed on the Canadian DSL (Domestic Substances List)
ANISIC ALDEHYDE (123-11-5)
Listed on the Canadian DSL (Domestic Substances List)
DIETHYL PHTHALATE (84-66-2)
Listed on the Canadian DSL (Domestic Substances List)
ETHYL BUTYRATE (105-54-4)
Listed on the Canadian DSL (Domestic Substances List)
4-Hydroxy-2,5-dimethyl-3(2H)-furanone (3658-77-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	ETHYL MALTO	DL (4940-11-8)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
DIETHYL PHTHALATE(84-66-2)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
ETHYL BUTYRATE(105-54-4)	U.S New Jersey - Right to Know Hazardous Substance List

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

sion date	: 05/02/2024
text of H-phrases:	
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.