

502829 PASSION FRUIT BASE 109223

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1. IDENTIFICATION

Product Description: PASSION FRUIT BASE 109223

CAS # MIXTURE

Other means of identification

Vigon Item # 502829

Recommended use Concentrated aromatic ingredient which may be used fragrance compounds according to legal and

IFRA guidelines.

Recommended restrictions For Manufacturing Use Only

Company 24 Hour Emergency Response Information

Vigon International, Inc. INFOTRAC (ACCT# 78928);

127 Airport Road 1-800-535-5053 WITHIN THE U.S.A. 1-352-323-3500 OUTSIDE THE U.S.A.

E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Vigon International, Inc. **Address** 127 Airport Road

E. Stroudsburg, PA 18301

United States

Telephone For information call: 570-476-6300

Website www.vigon.com
E-mail Not available.

Emergency phone number INFOTRAC (ACCT# 78928);

1-800-535-5053 WITHIN THE U.S.A. 1-352-323-3500 OUTSIDE THE U.S.A.

2. HAZARD(S) IDENTIFICATION

Physical hazardsFlammable liquidsCategory 4Health hazardsSkin corrosion/irritationCategory 2

Serious eye damage/eye irritation Category 2A

Sensitization, skin Category 1
Reproductive toxicity Category 2

Environmental hazards Hazardous to the aquatic environment, Category 2

long-term hazard

Label elements



Signal word Warning



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Hazard statement Combustible liquid. Causes skin irritation. Causes skin and eye irritation. May cause an allergic

skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child.

Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing mist or vapor. Wash thoroughly after handling.

environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or

Contaminated work clothing should not be allowed out of the workplace. Avoid release to the

concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect

spillage.

Storage Store in a well-ventilated place. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information 30.25% of the mixture consists of component(s) of unknown long-term hazards to the aquatic

environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	<u></u>
LINALYL ACETATE	3,7- dimethylocta-1,6-dien-3-yl acetate (1)-1,5-dimethyl-1-vinyl hex-4-enyl acetate LINALOOL ACETATE	115-95-7	20 - < 30
TERPINYL ACETATE	2-(4- methyl-1-cyclohex- 3-enyl) propan-2-yl acetate ALPHA- TERPINEOL ACETATE para- menth-1-en-8-ol acetate ALPHA,ALPHA, 4- TRIMETHYL- 3- CYCLOHEXENE- 1-METHANOL ACETATE	80-26-2	10 - < 15
DIPENTENE	p- mentha-1,8-diene D,L- limonene 1- methyl-4-prop-1-en-2-ylcyclohexene	138-86-3	7.5 - < 10
TRICYCLODECENYL PROPIONATE	4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, propanoate 3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl propionate	17511-60-3	5 - < 7.5
1-NAPHTHALENOL, 1,2,3,4,4A,5,8,8A-OCTAHYDRO-2, 2,6,8-TETRAMETHYL-	1,2,3,4,4A,5,8,8A-OCTAHYDRO-2,2,6,8- TETRAMETHYL-1-NAPHTHALENOL octahydrotetramethyl-1-naphthalenol	103614-86-4	1 - < 2.5



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Chemical name	Common name and synonyms	CAS number	%
2,4-DIMETHYLCYCLOHEX-3-ENE- 1-CARBALDEHYDE	4-formyl-1,3-dimethylcyclohex-1-ene 2,4-DIMETHYL-3-CYCLOHEXEN-1- CARBOXALDEHYDE 3-Cyclohexene-1-carboxaldehyde, 2,4- dimethyl- DIMETHYLCYCLOHEX-3-ENE-1- CARBALDEHYDE (MIXED ISOMERS)	68039-49-6	1 - < 2.5
2-PHENYLPROPIONALDEHYDE DIMETHYL ACETAL	1,1- dimethoxy-2-phenyl propane benzene, (2,2-dimethoxy-1-methylethyl)-	90-87-9	1 - < 2.5
DIMETHYL BENZYL CARBINOL	2-methyl-1-phenylpropan-2-ol ALPHA,ALPHA-DIMETHYLPHENETHYL ALCOHOL 2- hydroxy-2-methyl-1-phenyl propane 1,1- dimethyl-2-phenylethanol	100-86-7	1 - < 2.5
HEXYL ACETATE	1-HEXYL ACETATE N- hexyl ethanoate HEXYL ETHANOATE	142-92-7	1 - < 2.5
UNDECALACTONE GAMMA	1,4-UNDECANOLIDE undecylene methyl lactone 4- hydroxyundecanoic acid lactone 5- heptyloxolan-2-one dihydro-5-heptyl-2(3H)-furanone 1,4- hendecanolide	104-67-6	1 - < 2.5
3-METHYLBUTYL ACETATE	3-Methylbutyl acetate 3-Methylbutyl ethanoate ISOAMYL ETHANOATE Isopentylacetate	123-92-2	0.1< 0.5
ALLYL CAPROATE	prop-2-enyl hexanoate allyl capronate allyl hexanoate 2-propenyl N-hexanoate	123-68-2	0.1< 0.5
TETRAHYDRO-4-METHYL-2- (2-METHYLPROP-1-ENYL)PYRAN	2H-Pyran, tetrahydro-4-methyl-2- (2-methyl-1-propen-1-yl)- 2-ISO BUTENYL-4-METHYL TETRAHYDRO PYRAN 4-methyl-2-(2-methylprop-1-enyl)oxane	16409-43-1	0.1< 0.5
Other components below reportable levels			30 - < 40

4. FIRST-AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or

persist.

Skin contact Take off immediately all contaminated clothing. Get medical attention if irritation develops and

persists. Wash skin thoroughly with soap and water for several minutes.



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Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and Eye contact

persists. Promptly wash eyes with plenty of water while lifting the eye lids.

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if Ingestion

the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

so that stomach vomit doesn't enter the lungs.

Most important

General information

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment

needed

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

Dermatitis, Rash.

Not available.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from

the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment

and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full

facepiece operated in the positive pressure demand mode when fighting fires.

Fire fighting

equipment/instructions

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before

entering them. Keep run-off water out of sewers and water sources. Dike for water control.

Specific methods Use water spray to cool unopened containers.

General fire hazards Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.



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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	туре	Value	
3-METHYLBUTYL ACETATE (CAS 123-92-2)	PEL	525 mg/m3	
		100 ppm	
US. ACGIH Threshold Limit Values			
Components	Туре	Value	
3-METHYLBUTYL ACETATE (CAS 123-92-2)	STEL	100 ppm	



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US. NIOSH: Pocket Guide to Chemical Hazards

Components Value Type 3-METHYLBUTYL **REL** 525 mg/m3 ACETATE (CAS 123-92-2) 100 ppm **TWA** 525 mg/m3 100 ppm US. Workplace Environmental Exposure Level (WEEL) Guides

Components Value Type **DIPENTENE (CAS** TWA 165.5 mg/m3 138-86-3)

30 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. When using do not smoke. Always observe good

> personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Refer to Spec Sheet

Physical state Liquid. **Form** Liquid.

Color Refer to Spec Sheet

Odor Characteristic. Odor threshold Not available. Not available. Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

167.0 °F (75.0 °C) Closed Cup Flash point

Evaporation rate Not available. Flammability (solid, gas) Not applicable.



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Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.2 mm Hg at 20 °C

Vapor density Not available.

Relative density 0.95 at d 20/20

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Flammability class Combustible IIIA estimated

Oxidizing properties Not oxidizing.

Specific gravity 0.95 at 25 °C

VOC < 46 %

10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

No hazardous decomposition products if stored and handled as indicated.

products

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation No adverse effects due to inhalation are expected.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.



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Symptoms related to the physical, chemical and

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

toxicological characteristics Dermatitis. Rash.

Information on toxicological effects

Acute toxicity May cause an allergic skin reaction.

Components Species Test Results

2,4-DIMETHYLCYCLOHEX-3-ENE-1-CARBALDEHYDE (CAS 68039-49-6)

Acute

Dermal

LD50 Rabbit 2500 mg/kg

Oral

LD50 Rat

2500 mg/kg

2-PHENYLPROPIONALDEHYDE DIMETHYL ACETAL (CAS 90-87-9)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

LD50 Rat 1850 mg/kg

3-METHYLBUTYL ACETATE (CAS 123-92-2)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

LD50 Rat > 5000 mg/kg

ALLYL CAPROATE (CAS 123-68-2)

Acute

Dermal

LD50 Rabbit 300 mg/kg

Oral

LD50 Rat 218 mg/kg Remarks:

Behavioral:Somnolence (general

depressed activity).

DIMETHYL BENZYL CARBINOL (CAS 100-86-7)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

LD50 Rat 1280 mg/kg Remarks:

Behavioral:Somnolence (general depressed activity). Behavioral:Coma.



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Components	Species	Test Results
DIPENTENE (CAS 138	<u>-</u>	
Acute	,	
Dermal		
LD50	Rabbit	5 g/kg
Oral		
LD50	Rat	5 g/kg
HEXYL ACETATE (CAS	S 142-92-7)	
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
LINALYL ACETATE (CA	AS 115-95-7)	
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	14.55 g/kg Remarks: Behavioral:General anesthetic. Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.
TERPINYL ACETATE (CAS 80-26-2)	
Acute		
Oral		
LD50	Rat	5075 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Behavioral:Somnolence (general depressed activity).
TETRAHYDRO-4-METI	HYL-2- (2-METHYLPROP-1-ENYL)P	YRAN (CAS 16409-43-1)
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	4300 mg/kg



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Test Results Components **Species**

TRICYCLODECENYL PROPIONATE (CAS 17511-60-3)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Oral

LD50 Rat > 5000 mg/kg

UNDECALACTONE GAMMA (CAS 104-67-6)

Acute

Oral

LD50 Rat 18500 mg/kg Remarks:

Behavioral:Somnolence (general

depressed activity). Skin and Appendages:

Other: Hair.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

Not classified.

repeated exposure

Not an aspiration hazard. Aspiration hazard

Further information This mixture has not been subjected to full toxicological testing. According to available data on the

constituents the health classification criteria are met.

^{*} Estimates for product may be based on additional component data not shown.



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12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. This mixture has not been subjected to ecotoxicological testing as an entity. According to available data on the constituents the environmental classification criteria are met.

	CHVIIOIIII	ental classification chieffa are met.	
Components		Species	Test Results
2,4-DIMETHYLCYCLO	DHEX-3-ENE-1-CA	RBALDEHYDE (CAS 68039-49-6)	
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	31 mg/l, 72 hours (based on growth rate - nominal concentration - OECD 201)
Crustacea	EC50	Daphnia magna	22.4 mg/l, 48 hours (measured concentration - similar to OECD 202)
Fish	LC50	Oncorhynchus mykiss (reported as Salmo gairdneri)	7.5 mg/l, 96 hours (measured concentration - OECD 203)
3-METHYLBUTYL AC	ETATE (CAS 123-9	92-2)	
Aquatic			
Algae	EC50	Algae	450 mg/l, 72 hours
		Green algae (Chlamydomonas variabilis)	539 mg/l, 72 hours DIN 38412 Part 9 static. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.
Crustacea	EC50	Daphnia magna	42 mg/l, 48 hours DIN 38412 Part 11 static. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal concentration.
Fish	LC100	Leuciscus idus (Golden orfe)	148 mg/l, 48 hours
	LC50	Danio rerio	> 22 - < 46 mg/l, 96 hours OECD 203, ISO 7346, 84/449/EEC, C.1 static. The details of the effect relate to the nominal concentration.
		Leuciscus idus (Golden orfe)	> 36 - < 131 mg/l, 48 hours
Other	EC10	Bacterium	674 mg/l, 30 minutes DIN 38412 Part 27 (draft) aerobic. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The details of the toxic effect relate to the nominal

concentration.



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Components		Species	Test Results
	EC20	Activated Sludge	> 1000 mg/l, 30 minutes DIN EN ISO 8192-OECD 209-88/302/EEC,P. C aerobic
ALLYL CAPROATE (C	CAS 123-68-2)		
Aquatic			
Crustacea	EC50	Daphnia magna	2 mg/l, 48 hours
Fish	LC50	Pimephales promelas	2 mg/l, 96 hours
DIPENTENE (CAS 13	8-86-3)		
Aquatic			
Fish	LC50	Carp (Leuciscus idus melanotus)	34 mg/l, 48 hours
HEXYL ACETATE (CA	AS 142-92-7)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 3.7 - < 4.4 mg/l, 96 hours
TETRAHYDRO-4-ME	THYL-2- (2-METHY	(LPROP-1-ENYL)PYRAN (CAS 16409-43-1)	
Aquatic			
Acute			
Algae	EC50	Green algae (Desmodesmus subspicatus)	79.7 mg/l, 72 hours Test Type: static test
Crustacea	EC50	Daphnia magna	33.2 mg/l, 48 hours Test Type: static test
Fish	LC50	Zebrafish (Brachydanio rerio)	77.6 mg/l, 96 hours Test Type: semi-static test
Other	EC50	Activated Sludge	> 1000 mg/l, 3 hours Test Type: static test
UNDECALACTONE G	SAMMA (CAS 104-6	67-6)	
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	17 mg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss	569 mg/l, 96 hours

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

DIPENTENE 4.232

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.



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13. DISPOSAL CONSIDERATIONS

Disposal instructionsDo not discharge into drains, water courses or onto the ground. Do not allow this material to drain

into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or

used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulationsDispose in accordance with all applicable regulations.

Hazardous waste code Not established.

Waste from residues / unused

products

Empty containers or liners may retain some product residues. This material and its container must

be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. TRANSPORT INFORMATION

ADN

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPINYL ACETATE,

DIPENTENE)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

ADR

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPINYL ACETATE,

DIPENTENE)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

RID

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPINYL ACETATE,

DIPENTENE)

Transport hazard class(es) 9
Subsidiary class(es) Packing Group III
Environmental Hazards Yes
Labels required 9

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

DOT BULK

UN number NA1993



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Proper shipping name COMBUSTIBLE LIQUID, N.O.S. (DIPENTENE, TERPINYL ACETATE)

Hazard class Combustible liq

Packing group III

Environmental hazards

Marine pollutantYesPackaging exceptions150Packaging bulk242Labels requiredNone

DOT

NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERPINYL ACETATE,

DIPENTENE)

Not applicable.

Transport hazard class(es) 9
Subsidiary class(es) Packing group ||||

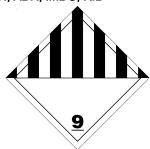
Environmental hazards

Marine pollutant Yes
Labels required 9

Transport in bulk according to Annex II of MARPOL

73/78 and the IBC Code

ADN; ADR; IMDG; RID





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Marine pollutant



15. REGULATORY INFORMATION

US federal regulationsThis product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

3-METHYLBUTYL ACETATE (CAS 123-92-2) Listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)



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US state regulations

US - Minnesota Haz Subs: Hazardous substance

3-METHYLBUTYL ACETATE (CAS 123-92-2) Hazardous substance.

US. Massachusetts RTK - Substance List

3-METHYLBUTYL ACETATE (CAS 123-92-2)

US. New Jersey Worker and Community Right-to-Know Act

3-METHYLBUTYL ACETATE (CAS 123-92-2)

DIPENTENE (CAS 138-86-3)

US. Pennsylvania Worker and Community Right-to-Know Law

3-METHYLBUTYL ACETATE (CAS 123-92-2)

US. Rhode Island RTK

3-METHYLBUTYL ACETATE (CAS 123-92-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
•	nents of this product comply with the inventory requirements administered by the governments of the product are not listed or exempt from listing on the inventory administration.	• • • • • • • • • • • • • • • • • • • •

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

 Issue date
 08-01-2016

 Revision date
 12-17-2016

Version # 02

country(s).

HMIS® ratings Health: 2*

Flammability: 2 Physical hazard: 0



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Disclaimer

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Revision information

Physical & Chemical Properties: Multiple Properties

Regulatory Information: Safety Phrases

GHS: Classification