		🚫 DSM
etrahydrolinalyl Ace	tate	0429880
ersion 1.0	Revision Date 12/08/2014	Print Date 03/02/2018
CTION 1. PRODUCT AND CO	MPANY IDENTIFICATION	
Product name Substance name CAS-No.	 Tetrahydrolinalyl Acetate 3,7-dimethyloctan-3-yl acetate 20780-48-7 	
Relevant identified uses of t	the substance or mixture and uses advis	ed against
Use of the Sub- stance/Mixture	: Ingredient for fragrances	
Details of the supplier of the	e safety data sheet	
Company	: DSM Nutritional Products Ltd. PO Box 2676 CH-4002 Basel	
Telephone Telefax E-mail address Responsib- le/issuing person	: +41618158888 : +41618157253 : sds.nutritionalproducts@dsm.com	
Emergency telephone numb	ber	
+41 62 866 2314		
LINCINCINCY OVELVIEW		
Emergency Overview CAUTION		
	liquid	
CAUTION	liquid clear, colourless	
CAUTION Appearance		
CAUTION Appearance Colour	clear, colourless	
CAUTION Appearance Colour Odour	clear, colourless	
CAUTION Appearance Colour Odour GHS Classification	clear, colourless like fruit, citrous-like	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids	clear, colourless like fruit, citrous-like : Category 4	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids Skin irritation	clear, colourless like fruit, citrous-like : Category 4 : Category 2	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids Skin irritation Skin sensitisation	clear, colourless like fruit, citrous-like : Category 4 : Category 2	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids Skin irritation Skin sensitisation GHS Label element	clear, colourless like fruit, citrous-like : Category 4 : Category 2	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids Skin irritation Skin sensitisation GHS Label element Hazard pictograms	clear, colourless like fruit, citrous-like : Category 4 : Category 2 : Category 1 :	
CAUTION Appearance Colour Odour GHS Classification Flammable liquids Skin irritation Skin sensitisation GHS Label element Hazard pictograms Signal word	 clear, colourless like fruit, citrous-like : Category 4 : Category 2 : Category 1 : Category 1 : Warning : H227 Combustible liquid. H315 Causes skin irritation. 	s/ mist/ vapours/ spray.

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	 P272 Contaminated work clothing should not be allowed out the workplace. P280 Wear protective gloves. Response: P302 + P352 IF ON SKIN: Wash with plenty of soap and wa P333 + P313 If skin irritation or rash occurs: Get medical ad attention. P362 Take off contaminated clothing and wash before reuse Disposal: P501 Dispose of contents/ container to an approved waste of posal plant.
Potential Health Effects	
Primary Routes of Entry	: Skin Absorption
Target Organs	: Skin
Skin	 May cause allergic skin reaction. May cause skin irritation. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.
Aggravated Medical Condi- tion	: None known.
Symptoms of Overexposure	: No specific symptoms known.
Carcinogenicity: IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinoge by NTP.
Additional hazards and adv	rice
None known.	
TION 3. COMPOSITION/INFO	ORMATION ON INGREDIENTS
Synonyms	: THLA
Brief description of the pro- duct	: Substance
Molecular formula	: C12-H24-O2
Hazardous components	
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SAFETY DATA SHEET

Tetrahydrolinalyl Acetate	
Version 1.0	Revision



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Component	CAS-No.	Weight percent
3,7-dimethyloctan-3-yl acetate	20780-48-7	90 - 100

Revision Date 12/08/2014

SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	 Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: No specific symptoms known.
Notes to physician	: Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties		
Flash point	: 187 °F (86 °C) Method: ISO 2719	
Ignition temperature	: 290 °C (at 987 hPa, DIN 51794)	
Lower explosion limit	: not determined	
Upper explosion limit	: not determined	
Fire fighting		
Suitable extinguishing media	 Alcohol-resistant foam Dry chemical Use extinguishing measures that are approcumstances and the surrounding environm 	-
Unsuitable extinguishing media	: High volume water jet	
Further information	: Collect contaminated fire extinguishing wat	er separately. This
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	must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Protective equipment and pr	ecautions for firefighters
Specific hazards during fire- fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.
TION 6. ACCIDENTAL RELEA	ASE MEASURES
Personal precautions, protec- tive equipment and emer- gency procedures	: Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	 Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
	Keep in suitable, closed containers for disposal.
	Keep in suitable, closed containers for disposal.
	Keep in suitable, closed containers for disposal.
TION 7. HANDLING AND STO	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the ap-
TION 7. HANDLING AND STC Advice on safe handling Advice on protection against	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge.
CTION 7. HANDLING AND STC Advice on safe handling Advice on protection against fire and explosion	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Protect against light.
CTION 7. HANDLING AND STC Advice on safe handling Advice on protection against fire and explosion	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Protect against light. Protect from humidity. Keep container tightly closed and dry. Containers which are opened must be carefully resealed and
CTION 7. HANDLING AND STO Advice on safe handling Advice on protection against fire and explosion Conditions for safe storage Storage temperature	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Protect against light. Protect from humidity. Keep container tightly closed and dry. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
CTION 7. HANDLING AND STO Advice on safe handling Advice on protection against fire and explosion Conditions for safe storage Storage temperature CTION 8. EXPOSURE CONTRO Components with workplace	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Protect against light. Protect from humidity. Keep container tightly closed and dry. Containers which are opened must be carefully resealed and kept upright to prevent leakage. < 77 °F (< 25 °C) DLS/PERSONAL PROTECTION
CTION 7. HANDLING AND STO Advice on safe handling Advice on protection against fire and explosion Conditions for safe storage Storage temperature CTION 8. EXPOSURE CONTRO Components with workplace	 Keep in suitable, closed containers for disposal. DRAGE Avoid contact with skin and eyes. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Smoking, eating and drinking should be prohibited in the application area. Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Protect against light. Protect from humidity. Keep container tightly closed and dry. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Control parameters recupational exposure limit values.

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	sonal respiratory protection and prot	ective suit.
	In the case of vapour formation use a proved filter.	a respirator with an ap-
Hand protection	: Glove material: Nitrile rubber	
	Consider the hazard characteristics of special workplace conditions when s type of protective gloves.	
Eye protection	: Safety glasses with side-shields	
Skin and body protection	: Choose body protection according to tration of the dangerous substance a	
Hygiene measures	: Handle in accordance with good indu practice.	
	Wash hands before breaks and at th	e end of workday.
nformation on basic physic Appearance	IEMICAL PROPERTIES al and chemical properties : liquid	
nformation on basic physic Appearance	al and chemical properties : liquid	
nformation on basic physic	al and chemical properties	
nformation on basic physic Appearance Colour	al and chemical properties : liquid : clear - colourless	
nformation on basic physic Appearance Colour Odour	al and chemical properties liquid clear - colourless like fruit, citrous-like 	
nformation on basic physic Appearance Colour Odour Odour Threshold	al and chemical properties : liquid : clear - colourless : like fruit, citrous-like : No information available.	
nformation on basic physic Appearance Colour Odour Odour Threshold pH	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available) Test Guideline 103)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined not determined 	,
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Vapour pressure	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) 	ISO 2719)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Vapour pressure Relative vapour density Density Water solubility	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) ca. 1.6 mg/l (20 °C; OECD Test Guid practically insoluble 	ISO 2719)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Upper explosion limit Vapour pressure Relative vapour density Density Water solubility Solubility in other solvents	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) ca. 1.6 mg/l (20 °C; OECD Test Guid practically insoluble various organic solvents: soluble 	ISO 2719) deline 105)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Upper explosion limit Vapour pressure Relative vapour density Density Water solubility Solubility in other solvents Partition coefficient: n- octanol/water	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) ca. 1.6 mg/l (20 °C; OECD Test Guid practically insoluble various organic solvents: soluble log Pow 5.6 (OECD Test Guideline 1 	ISO 2719) deline 105)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Upper explosion limit Vapour pressure Relative vapour density Density Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Auto-ignition temperature	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) ca. 1.6 mg/l (20 °C; OECD Test Guide practically insoluble various organic solvents: soluble log Pow 5.6 (OECD Test Guideline 1 not pyrophoric (Expert judgement) 	ISO 2719) deline 105)
nformation on basic physic Appearance Colour Odour Odour Threshold pH Solidification point Boiling point/boiling range Flash point Evaporation rate Lower explosion limit Upper explosion limit Upper explosion limit Vapour pressure Relative vapour density Density Water solubility Solubility in other solvents Partition coefficient: n- octanol/water	 al and chemical properties i liquid clear - colourless like fruit, citrous-like No information available. No data available < -70 °C 200.9 - 214.5 °C (at 998 hPa; OECE 86 °C (Pensky-Martens closed cup, not determined not determined not determined < 0.1 hPa (at 20 °C) not determined 0.863 - 0.867 g/cm3 (at 20 °C) ca. 1.6 mg/l (20 °C; OECD Test Guid practically insoluble various organic solvents: soluble log Pow 5.6 (OECD Test Guideline 1 not pyrophoric 	ISO 2719) deline 105)

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Viscosity, kinematic	: 3.3 mm2/s	
Explosive properties	: Not explosive (Expert judgement)	
Oxidizing properties	: Not oxidizing (Expert judgement)	
Other information		
Refractive index	: 1.423 - 1.427 (589 nm, 20 °C)	
Molecular weight	: 200.32 g/mol	
CTION 10. STABILITY AND RE	EACTIVITY	
Reactivity	: No hazards to be specially mentioned	l.
Chemical stability	: Stable under recommended storage of	conditions.
Possibility of hazardous reac- tions	: Possible incompatibility with materials 10.5.	listed under section
Conditions to avoid	: Heat.	
Incompatible materials	: Strong acids and strong bases Strong oxidizing agents	
Hazardous decomposition products	: No decomposition if used as directed	
	 NFORMATION LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) 	
Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg	Гest Guideline 404)
Acute oral toxicity Skin irritation	: LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method)	Γest Guideline 404)
Acute oral toxicity Skin irritation Eye irritation	 LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) Moderate skin irritation (Rabbit, OECD⁻ 	
CTION 11. TOXICOLOGICAL I Acute oral toxicity Skin irritation Eye irritation Sensitisation Carcinogenicity	 LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) Moderate skin irritation (Rabbit, OECD⁻¹ May irritate eyes. Causes sensitisation. (Mouse, Local Lyr 	
Acute oral toxicity Skin irritation Eye irritation Sensitisation Carcinogenicity	 LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) Moderate skin irritation (Rabbit, OECD⁻¹ May irritate eyes. Causes sensitisation. (Mouse, Local Lyr (LLNA), OECD Test Guideline 429) 	
Acute oral toxicity Skin irritation Eye irritation Sensitisation Carcinogenicity Genotoxicity in vitro	 LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) Moderate skin irritation (Rabbit, OECD⁻¹ May irritate eyes. Causes sensitisation. (Mouse, Local Lyr (LLNA), OECD Test Guideline 429) This information is not available. 	
Acute oral toxicity Skin irritation Eye irritation Sensitisation	 LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method) Moderate skin irritation (Rabbit, OECD⁻¹ May irritate eyes. Causes sensitisation. (Mouse, Local Lyr (LLNA), OECD Test Guideline 429) This information is not available. not mutagenic (Ames test) 	nph Node Assay

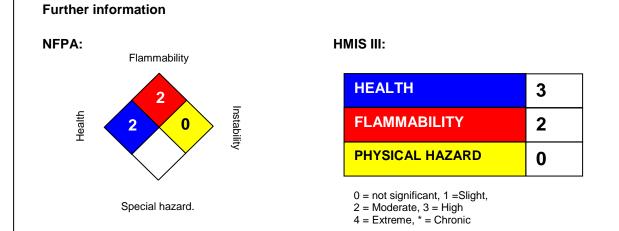
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STOT - repeated exposure	: This information is not available.	
Further information	: May cause irritation of respiratory tra	ct.
Aspiration toxicity	: No aspiration toxicity classification	
SECTION 12. ECOLOGICAL INI	ORMATION	
Toxicity		
Toxicity to fish	: Danio rerio (zebra fish) LC50 (96 h) 5.9 mg/l	
Toxicity to daphnia and other aquatic invertebrates	 Daphnia magna (Water flea) EC50 (48 h) > 100 mg/l (nominal concentration) (OECD Test Guideline 202) 	
Toxicity to algae	: Desmodesmus subspicatus (green a ErC50 (72 h) > 100 mg/l (nominal concentration) (OECD Test Guideline 201)	lgae)
Toxicity to bacteria	: activated sludge Concentration of the substance 100 No inhibition was observed under the ditions.	
Persistence and degradability		
Biodegradability	: Not readily biodegradable. ca. 55 % (28 d) (OECD Test Guideline 301F)	
Bioaccumulative potential		
Partition coefficient: n- octanol/water	: log Pow 5.6 (OECD Test Guideline 1	17)
Nobility in soil		
Distribution among environ- mental compartments	: No data available	
Results of PBT and vPvB asses	ssment	
Assessment	The substance does not fullfill the PEThe substance does not fullfill the vP	
Other adverse effects		
Regulation	40 CFR Protection of Environment; F Stratospheric Ozone - CAA Section 6	
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Remarks	This product neither contains, nor was Class I or Class II ODS as defined by Section 602 (40 CFR 82, Subpt. A, Ap	the U.S. Clean Air Act
Additional ecological informa- tion	: Toxic to aquatic organisms, may caus effects in the aquatic environment.	e long-term adverse
ECTION 13. DISPOSAL CONSIE	DERATIONS	
Disposal methods		
Waste from residues	 Discharge into the environment must Do not contaminate ponds, waterwa cal or used container. Do not dispose of waste into sewer. Offer surplus and non-recyclable sol posal company. 	ys or ditches with chemi-
	User must determine if any wastes gous characteristics as per 40 CFR Polocal legislation.	
Contaminated packaging	: Dispose of as unused product. Do not re-use empty containers.	
International Regulation IATA-DGR UN/ID No.	: UN 3082	
Proper shipping name	 Environmentally hazardous substant (3,7-dimethyloctan-3-yl acetate) 	ce, liquid, n.o.s.
Class	: 9	
Packing group	: 111	
	: Miscellaneous Dangerous Goods : 964	
Labels Packing instruction (cargo		
	: 964	
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code	: 964	
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	 964 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. 	S SUBSTANCE, LIQUID,
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number	: 964 : UN 3082 : ENVIRONMENTALLY HAZARDOUS	S SUBSTANCE, LIQUID,
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number Proper shipping name Class	 964 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. (3,7-dimethyloctan-3-yl acetate) 	S SUBSTANCE, LIQUID,
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number Proper shipping name	 964 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. (3,7-dimethyloctan-3-yl acetate) 9 	S SUBSTANCE, LIQUID,
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code	 964 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. (3,7-dimethyloctan-3-yl acetate) 9 III 9 F-A, S-F 	S SUBSTANCE, LIQUID,
Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant	 964 UN 3082 ENVIRONMENTALLY HAZARDOUS N.O.S. (3,7-dimethyloctan-3-yl acetate) 9 III 9 	

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sion 1.0	Revision Date 12/08/2014	Print Date 03/02/201	
National Degulations			
National Regulations			
49 CFR			
UN/ID/NA number Proper shipping name	: UN 3082 : Environmentally hazardous substar	ces liquid n e s	
Froper shipping hame	(3,7-dimethyloctan-3-yl acetate)	ices, ilquiu, 11.0.5.	
Class	: 9		
Packing group	: 111		
Labels	: CLASS 9		
ERG Code	: 171		
Marine pollutant	: yes (3,7-dimethyloctan-3-yl acetate)	
Remarks	: No additional requirements.		
TION 15. REGULATORY IN	IFORMATION		
TSCA list	: Not relevant		
	Not relevant		
EPCRA - Emergency Plan	ning and Community Right-to-Know Ac	t	
CERCLA Reportable Quan This material does not conta	ntity ain any components with a CERCLA RQ.		
SARA 304 Extremely Haza	rdous Substances Reportable Quantity	,	
-	ain any components with a section 304 EH		
SARA 311/312 Hazards	: Fire Hazard		
	Acute Health Hazard		
SARA 302	: No chemicals in this material are su	ibject to the reporting re-	
	quirements of SARA Title III, Sectio		
SARA 313	: This material does not contain any	chemical components with	
	known CAS numbers that exceed the	he threshold (De Minimis)	
	reporting levels established by SAR	A Title III, Section 313.	
Clean Air Act			
	in any hazardous air pollutants (HAP), as	defined by the U.S. Clean	
Air Act Section 12 (40 CFR			
	in any chemicals listed under the U.S. Cle ion (40 CFR 68.130, Subpart F).	an Air Act Section 112(r) fo	
	in any chemicals listed under the U.S. Cle	an Air Act Section 111	
SOCMI Intermediate or Fina			
Clean Water Act			
	in any Hazardous Substances listed under	r the U.S. CleanWater Act,	
Section 311, Table 116.4A.			
This product does not contain Section 311, Table 117.3.	in any Hazardous Chemicals listed under	the U.S. Cleanwater Act,	
	in any toxic pollutants listed under the U.S	Clean Water Act Section	
Massachusetts Right To K	ínow		
	No components are subject to the N	Massachusetts Right to	
	Know Act.	3 • • • •	
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Tetrahydrol	inalyl Acetate		0429880	
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Pennsylvania	a Right To Know 3,7-dimethyloctan-3-yl acetate	20780-48-7	90 - 100 %	
New Jersey Right To Know 3,7-dimethyloctan-3-yl acetate 20780-48-		20780-48-7	90 - 100 %	
The components of this product are reported in the following inventories: TSCA : On TSCA Inventory				

SECTION 16. OTHER INFORMATION



The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

Abbreviations: ACGIH = American Conference of Governmental Industrial Hygienists. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. CPR = Controlled Products Regulations. DSL = Canadian Domestic Substance List. DOT = Department of Transportation. EINECS = European Inventory of New and Existing Chemical Substances. EPA = Environmental Protection Agency. HCS = Hazardous Communication Standard. HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Identification System. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Good. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. SARA = Superfund Amendments and Reauthorization Act. TDG = Transportation of Dangerous Goods. TLV = Threshold Limit Value. TSCA = Toxic Substance Control Act. WHMIS = Workplace Hazardous Materials Information System.