

<b>SAFETY DATA SHEET</b>		
<i>According to the Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH)</i>		
<b>VITAMIN E ACETATE</b>		
Date of issue: 10.10.2005	Date of revision: 29.11.2016	Version C

<b>SECTION 1: Identification of the substance/mixture and of the company/undertaking</b>			
<b>1.1</b>	<b>Product identifier</b>		
	Name:	VITAMIN E ACETATE	
	INCI name:	Tocopheryl Acetate	Chemical Formula:: C31H52O3
	Identification number CAS:	7695-91-2	EINECS number: 231-710-0
	Registration number:	-----	
<b>1.2</b>	<b>Relevant identified uses of the substance or mixture and uses advised against</b>		
	Intended use:	Industrial chemical, cosmetic and food industry	
	Not recommended use:	-	
<b>1.3</b>	<b>Details of the supplier of the safety data sheet</b>		
	Manufacturer:	M+H, Miča a Harašta s. r. o.	
	Headquarters:	Terronská 19, 160 00 Praha 6	
	Office:	Brněnská 2430/21b, 678 01 Blansko	
	Company ID:	25504053	
	Telephone:	+420 516 428 860	
	Fax number:	+420 516 428 864	
Competent person responsible:	<a href="mailto:qm@mah.cz">qm@mah.cz</a>		
<b>1.4</b>	Emergency telephone number		
	Toxikologické informační středisko, Na Bojišti 1, Praha (continuously) +420-224919293 +420-224915402 Information for Health Risks - acute poisoning people and animals		

<b>SECTION 2: Hazards identification</b>				
<b>2.1</b>	<b>Classification of the mixture:</b>	The substance is classified as not dangerous acc. directive 67/548/EWG		
	<b>Dangerous health effects:</b>	The substance is classified as not dangerous		
	<b>Dangerous environmental effects:</b>	---		
	<b>Classification of the substance or mixture</b>			
	<b>Classification according to (EC) 1272/2008:</b>	<b>Codes for hazard classes and categories</b>	<b>Hazard Codes phrase</b>	
	None.	None.		
<b>2.2</b>	<b>Label elements</b>			
	<b>Hazard pictogram(s):</b>	None.		
	<b>Signal word:</b>	Empty.		
	<b>Hazard statement(s):</b>	None.		
	<b>Precautionary statement(s):</b>	Not classified.		
<b>2.3</b>	<b>Other hazards</b>			
	The substance is not classified as PBT or vPvB.			

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**SECTION 3: Composition/information on ingredients**

<b>3.2</b>	<b>Mixture</b>					
	Component Identifier	Name	Content % hm	CAS number	EC number	Classification
		Vitamin E acetate	100%	7695-91-2	231-710-0	Not classified
	Registration number:		---			

Doesn't contain hazardous ingredients according to the Rule of Law no. 356/2003 Coll. , Direction 67/548/EEC, Direction 1272/2008(CLP)

**Potential Acute Health Effects:**  
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

**Potential Chronic Health Effects:**  
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

**SECTION 4: First aid measures**

<b>4.1</b>	<b>Description of first aid measures</b>	
	If symptoms persist, seek immediately medical advice	
<b>4.2</b>	Inhalation:	Move to fresh air. Seek medical advice if irritation persists. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
	Skin contact:	Seek medical advice if irritation persists. In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
	Eye contact:	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.
	Ingestion:	Rinse mouth immediately and drink large quantities of water. Consult physician. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**SECTION 5: Firefighting measures**

<b>5.1</b>	<b>Extinguishing media</b>	
	Suitable extinguishing media	CO <sub>2</sub> , dry chemical powder, foam. Auto-ignition Temperature: 320 °C.
	Unsuitable extinguishing media:	Full water jet.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available		
<b>5.3</b>	<b>Advice for firefighters</b>	
Use self-contained breathing apparatus. Wear protective clothing. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.		

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**SECTION 6: Accidental release measures**

<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b> Avoid contact with skin and eyes. Concentrated extracts should not be swallowed.
<b>6.2</b>	<b>Environmental precautions</b> Prevent large amounts of the substance from entering the environment (water, sewerage,..) <b>Small Spill:</b> Absorb with an inert material and put the spilled material in an appropriate waste disposal. <b>Large Spill:</b> Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
<b>6.3</b>	<b>Methods and material for containment and cleaning up</b> Suck up with oil binding media. Remove mechanically, placing in appropriate containers for disposal
<b>6.4</b>	<b>Reference to other sections</b> Section 8 and 13

**SECTION 7: Handling and storage**

<b>7.1</b>	<b>Precautions:</b> Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b> <b>Storage:</b> Light Sensitive. Store in a light resistant container. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).
<b>7.3</b>	<b>Specific end use(s)</b> Keep dark and dry, avoid heat store in tightly closed container.

**SECTION 8: Exposure controls/personal protection**

<b>8.1</b>	<b>Control parameters</b> The usual precautionary measures for the handling of chemicals have to be observed.				
	Name of substance (component(s)):	CAS	Eight hours mg/m <sup>3</sup>	Short-term mg/m <sup>3</sup>	Note
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	<b>Engineering Controls:</b> Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.				
	<b>Personal Protection:</b> Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.				
	<b>Personal Protection in Case of a Large Spill:</b> Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.				
	The national biological limit values:		No available		
	DNEL		No available		
	PNEC		No available		
<b>8.2</b>	<b>Exposure controls</b> Not available.				

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**SECTION 9: Physical and chemical properties**

<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Liquid.
	Colour:	Slightly yellowish.
	Odour threshold:	No data available.
	pH (at 20°C):	Not applicable.
	Melting point/freezing point (°C):	-27,5 °C.
	Boiling point (°C):	443 °C
	Flash point (°C):	No data available.
	Ignition temperature (°C):	No data available.
	Evaporation rate:	No data available.
	Flammability (solid, gas):	No data available.
	Upper/lower flammability: or explosive limits	No data available.
	upper (% vol.):	No data available.
	lower (% vol.):	No data available.
	Vapour pressure:	No data available.
	Vapour density (mbar):	No data available.
	Density at 20°C (g/cm <sup>3</sup> )	0,9533
	Solubility:	Soluble in diethyl ether, acetone. Insoluble in cold water, hot water
	Solvent content	No data available.
	Partition coefficient n-octanol/water:	No data available.
	Auto-ignition temperature:	No data available.
	Decomposition temperature:	No data available.
	Viscosity at 20°C mPa.s:	No data available.
	Explosive properties:	No data available.
<b>9.2</b>	Other information	
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**SECTION 10: Stability and reactivity**

<b>10.1</b>	<b>Reactivity</b> Incompatible with iron, silver and metal salts. Avoid humidity
<b>10.2</b>	<b>Chemical stability</b> The product is stable.
<b>10.3</b>	<b>Possibility of hazardous reactions</b> No data available.
<b>10.4</b>	<b>Conditions to avoid</b> No hazardous reaction known when carefully used.
<b>10.5</b>	<b>Polymerization:</b> Will not occur.
<b>10.6</b>	<b>Corrosivity / Incompatibility with various substances:</b> Non-corrosive in presence of glass. / Reactive with oxidizing agents, acids, alkalis.

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**SECTION 11: Toxicological information**

<b>11.1</b>	<p><b>Routes of Entry:</b> Absorbed through skin. Eye contact. Inhalation. Ingestion.</p> <p><b>Toxicity to Animals:</b> Acute oral toxicity (LD50): 4000 mg/kg [Mouse]. Acute dermal toxicity (LD50): 3000 mg/kg [Rat].</p> <p><b>Chronic Effects on Humans:</b> May cause damage to the following organs: blood, liver.</p> <p><b>Other Toxic Effects on Humans:</b> Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).</p> <p><b>Special Remarks on Toxicity to Animals:</b> Not available.</p> <p><b>Special Remarks on Chronic Effects on Humans:</b> Not available.</p> <p><b>Special Remarks on other Toxic Effects on Humans:</b> May cause adverse reproductive effects based on animal data.</p>
<b>a)</b>	<b>Serious eye damage/irritation</b> No data available.
<b>b)</b>	<b>Respiratory or skin sensitisation</b> No data available.
<b>c)</b>	<b>Germ cell mutagenicity</b> No data available.
<b>d)</b>	<b>Carcinogenicity</b> No data available.
<b>e)</b>	<b>Reproductive toxicity</b> No data available.
<b>f)</b>	<b>Specific target organ toxicity (STOT)– single exposure</b> No data available.
<b>g)</b>	<b>Specific target organ toxicity (STOT)– repeated exposure</b> No data available.
<b>h)</b>	<b>Aspiration hazard</b> No data available.

**SECTION 12: Ecological information**

<b>12.1</b>	<p><b>Toxicity No data ecological problem to expect</b> No data for ecological evaluation on hand Under appropriate use there are no ecological problems to expect.</p> <p><b>Ecotoxicity:</b> Ecotoxicity in water (LC50): 100 mg/l 96 hours [Trout]. 28 mg/l 72 hours [Algae].</p> <p><b>BOD5 and COD:</b> Not available.</p> <p><b>Products of Biodegradation:</b> Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</p> <p><b>Toxicity of the Products of Biodegradation:</b> The product itself and its products of degradation are not toxic.</p> <p><b>Special Remarks on the Products of Biodegradation:</b> Not available.</p>
<b>12.2</b>	<b>Persistence and degradability</b> No data available.

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<b>12.3</b>	<b>Bioaccumulative potential</b> No data available.
<b>12.4</b>	<b>Mobility in soil</b> No data available.
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b> No data available.
<b>12.6</b>	<b>Other adverse effects</b> -----

**SECTION 13: Disposal considerations**

<b>13.1</b>	<b>Waste treatment methods</b>
a)	Substance or preparation isn't hazardous waste according to the catalogue of the waste 160305. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Recommended disposal method of the preparation and contaminated packaging: dispose of the packaging in the same way as of the product, together with communal waste.
b)	Physical/chemical properties that may affect waste treatment no data available
c)	Avoiding waste disposal through sewerage no data available
d)	Special precautions for any recommended waste treatment no data available

**SECTION 14: Transport information**

<b>14.1</b>	UN number (DOT Classification: Not a DOT controlled material).  ---			
<b>14.2</b>	<b>UN proper shipping name</b>			
	ADR	---		
	RID	---		
	IMDG:	---		
	ICAO/IATA:	---		
<b>14.3</b>	<b>Transport hazard class(s)</b>			
	ADR	RID	IMDG:	ICAO/IATA:
	-	-	-	-
	<b>Classification</b>			
	ADR	RID		
	-	-		
<b>14.4</b>	<b>Packing group</b>			
	ADR	RID	IMDG:	ICAO/IATA:
	-	-	-	-
	<b>Hazard Identification No. (Kemler)</b>			
	ADR			
	-			
	<b>Labels</b>			
	ADR	RID	IMDG:	ICAO/IATA:
	-	-	-	-

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	Note			
	ADR	RID	IMDG:	ICAO/IATA:
	-	-	Marine pollutant: no EmS: F-A, S-B	PAO: - CAO: -
<b>14.5</b>	<b>Environmental hazards</b>			
	NO			
<b>14.6</b>	<b>Special precautions for user</b>			
	No			
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>			
	NO			

**SECTION 15: Regulatory information**

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> Regulation EC 1907/2006 (REACH) Regulation EC 1272/2008 (CLP) Regulation EC 830/2015
<b>15.2</b>	<b>Chemical safety assessment</b> No

**SECTION 16: Other information**

	a) The changes in case of a revised safety data sheet No
	b) Created: 10.10.2005 – producer
	c) Last updated: 05.12.2013- producer.
	d) Key literature references and sources for data No
	e) List of relevant H,P phrases, hazard statements, safety phrases and/or precautionary statements -- --
	f) Training appropriate for workers No
	g) More information Information about separation of incompatible products · References to the thresholds · Regulation on inflammable liquids (VbF)