

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/7

### Natural E-AD

Revision 0  
Revision date 2019-02-27

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

<b>Product name</b>	Natural E-AD
<b>Product code</b>	09063

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

<b>Product Use</b>	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC29] Pharmaceuticals;
<b>Description</b>	For animal use only. Not for human use.

##### 1.3. Details of the supplier of the safety data sheet

<b>Company</b>	Neogen Corporation
<b>Address</b>	620 Leshler Place Lansing MI 48912 USA
<b>Web</b>	www.neogen.com
<b>Telephone</b>	517-372-9200/800-234-5333
<b>Email</b>	regulatorysupport@neogen.com

##### 1.4. Emergency telephone number

<b>Emergency telephone number</b>	1-800-234-5333
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##### Further information

<b>Manufactured By:</b>	Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
<b>Hotline(s):</b>	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

<b>2.1.2. Classification - GHS</b>	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Repr. 1B: H360; Aquatic Chronic 4: H413;
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##### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger

## Natural E-AD

Revision 0  
Revision date 2019-02-27

## 2.2. Label elements

<b>Hazard Statement</b>	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Repr. 1B: H360 - May damage fertility or the unborn child . Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.
<b>Precautionary Statement: Prevention</b>	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
<b>Precautionary Statement: Storage</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
d- $\alpha$ -Tocopherol		59-02-9	233-466-0		20 - 30%	Skin Sens. 1: H317; Aquatic Chronic 4: H413;
N-Methyl-2-pyrrolidone	606-021-00-7	872-50-4	212-828-1		10 - 20%	Repr. 1B: H360D; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315;
Retinyl propionate		7069-42-3	230-363-2		1 - 10%	Repr. 1B: H360; Aquatic Chronic 4: H413;
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9		1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H302;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Irritating to skin. May cause allergic reactions in susceptible people. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

# Natural E-AD

Revision 0  
Revision date 2019-02-27

## 4.1. Description of first aid measures

Ingestion	Ingestion may cause nausea and vomiting. May damage the unborn child. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING unless advised to do so by a doctor.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Protect clothing from contact with the product. Wear suitable protective equipment.
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### 6.2. Environmental precautions

	Prevent further spillage if safe. Do not flush into surface water. Do not let product contaminate subsoil.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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### 6.4. Reference to other sections

	See section 2, 8, and 13 for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Refer to label for complete indications, dosing, storage, and handling.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep at temperature not exceeding 30°C. Refer to label for complete indications, dosing, storage, and handling.
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### 7.3. Specific end use(s)

	See section 1.2 for further information.
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### Further information

	Keep out of reach of children.
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## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

## Natural E-AD

Revision 0  
Revision date 2019-02-27

## 8.2. Exposure controls

	 
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate: Chemical resistant clothing.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Hand protection	Wear suitable gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear/Brown
Odor	Alcoholic
Relative density	0.97
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Solubility	Miscible in water

## 9.2. Other information

VOC (Volatile organic compounds)	No data available
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

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## Natural E-AD

Revision 0  
Revision date 2019-02-27

## 10.3. Possibility of hazardous reactions

No data available.

## 10.4. Conditions to avoid

Keep away from sources of ignition - No smoking. Keep in a cool place away from direct sunlight.

## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Prolonged or repeated exposure may cause: Damage to organs. May cause malformations or permanent structural changes in embryo/fetus.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Treat allergic reactions immediately with injection of epinephrine or antihistamines.

## 11.1.4. Toxicological information

Natural E-AD	Oral Rat LD50: 5417	Inhalation Rat LC50/4 h: 50.0
N-Methyl-2-pyrrolidone	Oral Rat LD50: 3914 mg/kg	

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

## Partition coefficient

Natural E-AD No data available

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

## Natural E-AD

Revision 0  
Revision date 2019-02-27

## General information

	Dispose of in compliance with all local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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## 14.4. Packing group

	The product is not classified as dangerous for carriage.
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## 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

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

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory. Materials are exempt from TSCA under Section 3(2)(B)(vi) when used in pharmaceutical application.</p> <p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: N-methyl-2-pyrrolidone, Benzyl alcohol</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: N-methyl-2-pyrrolidone, Benzyl alcohol.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: N-methyl-2-pyrrolidone, Benzyl alcohol.</p> <p>California Prop 65: WARNING: Reproductive effects - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.</p>
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## Inventories

## Natural E-AD

Revision 0  
Revision date 2019-02-27

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
N-Methyl-2-pyrrolidone (2-Pyrrolidinone, 1-methyl-)	Y	N	Y 1.0	Y	N	N	N	N	N
Benzyl alcohol (Benzenemethanol)	Y	Y	N	N	N	N	N	N	N

## Further information

	<p>The labeling requirements of the Federal Food, Drug, and Cosmetic Act differ from the classification criteria and hazard information required for safety data sheets and for workplace labels under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Following is the hazard information as required on the drug label:</p> <p>Keep out of reach of children. For animal use only.</p> <p>NDC# 59051-9063-6.</p>
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## SECTION 16: Other information

## Other information

Text of Hazard Statements in Section 3	<p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Repr. 1B: H360D - May damage the unborn child.</p> <p>Repr. 1B: H360 - May damage fertility or the unborn child .</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p>
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## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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