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Safety Data Sheet

Issuing Date 19-Oct-2012

Revision Date 07-Aug-2015

Revision Number 2

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product Code 00956
 Product Name **ATMOS® 300 K**
 CAS-No 67701-32-0 (and) 57-55-6 (and) 121-79-9 (and) 77-92-9
 Substance or Mixture Mixture

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

Recommended Use Pharmaceutical
 Uses advised against FOR INDUSTRIAL USE ONLY

1.3. Details of the supplier of the safety data sheet

Supplier

Vantage Specialty Ingredients, Inc.,
 150 MT. Bethel Road
 Building 2, Suite 200
 Warren, New Jersey 07059
 Tel: (973) 345-8600
 Fax: (973) 345-8365

E-mail Address Regulatory.PC.US@vantagegrp.com

1.4. Emergency telephone number

Emergency telephone CHEMTREC International +1-703-527-3887
 CHEMTREC USA: 1-800-424-9300

Emergency telephone - §45 - (EC)1272/2008	
Europe	112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Regulation (EC) No 1272/2008

2.2. Label elements

Product identifier

Precautionary Statements - EU (§28, 1272/2008)

- P262 - Do not get in eyes, on skin, or on clothing
- P264 - Wash thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P273 - Avoid release to the environment
- P281 - Use personal protective equipment as required
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

2.3. Other hazards

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Chemical Name	EC-No.	CAS-No.	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Propylene Glycol	EEC No. Present	57-55-6	0	No data available	
Propyl gallate	EEC No. Present	121-79-9	0	Acute Tox. 4 (H302) Skin Sens. 1 (H317)	
Glycerides, C14-18 and C16-18-unsaturated mono- and di-	EEC No. Present	67701-32-0	0	No data available	
Citric acid	EEC No. 232-274-4	77-92-9	0	Eye Irrit. 2 (H319)	

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Move to fresh air.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water and afterwards drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Asthma-like and/ or skin allergy-like symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Use extinguishing measures appropriate to local circumstances and surrounding materials.

Unsuitable extinguishing media
No information available

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent release to surface water.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Handling**

Ensure adequate ventilation.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage**

Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Chemical Name	Eu	The United Kingdom	France	Spain	Germany
Propylene Glycol 57-55-6		STEL: 1422 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm TWA: 10 mg/m ³ TWA: 150 ppm TWA: 474 mg/m ³			
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Propylene Glycol 57-55-6				TWA: 25 ppm TWA: 79 mg/m ³ STEL: 118.5 mg/m ³ STEL: 37.5 ppm	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles.
Skin and Body Protection Long sleeved clothing.

Environmental exposure controls -

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Bland
Appearance	Yellow waxy	Odor threshold	-
Color	-		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		-
Melting point/freezing point		-
Boiling point/boiling range	260 500	-
Flash Point	98 208	-
Evaporation Rate		-
Flammability (solid, gas)		-
Flammability Limits in Air		-
Upper flammability limits		-
Lower Flammability Limit		-
Vapor pressure		-
Vapor Density		-
Specific Gravity	.965	-
Water Solubility	Negligible.	-
Solubility in other solvents		-
Partition coefficient		-
Autoignition Temperature		-
Decomposition temperature		-
Kinematic viscosity		-
Dynamic viscosity		-

9.2. Other information**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None identified.
 Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions**Hazardous Reactions**

None under normal processing.

10.4. Conditions to avoid

Excessive heat, flames, and sparks.

10.5. Incompatible materials**10.6. Hazardous decomposition products**

None under normal conditions.

Section 11: TOXICOLOGY INFORMATION**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Unknown Acute Toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
Propyl gallate	= 2100 mg/kg (Rat)		
Citric acid	3000 mg/kg (Rat)	-	-

Skin corrosion/irritation -**Serious eye damage/eye irritation** -**Sensitization** -**Mutagenic Effects** No information available.**Carcinogenic effects** No information available.**Reproductive Toxicity** -**STOT - single exposure** -**STOT - repeated exposure** -**Aspiration hazard** -**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

50 - 80% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Propylene Glycol	EC50 = 19000 mg/L 96 h	LC50= 51600 mg/L Oncorhynchus mykiss 96 h LC50 41 - 47 mL/L Oncorhynchus mykiss 96 h LC50= 51400 mg/L Pimephales promelas	EC50 > 10000 mg/L 48 h

		96 h LC50= 710 mg/L Pimephales promelas 96 h	
Citric acid		LC50= 1516 mg/L Lepomis macrochirus 96 h	EC50 = 120 mg/L 72 h

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient
Citric acid	-1.72 20 °C

12.4. Mobility in soil

Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated Packaging Empty remaining contents.

Section 14: TRANSPORT INFORMATION

NOTE Not regulated

IMDG / IMO

RID

ADR

ICAO

IATA

Section 15: REGULATORY INFORMATION

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

European Union

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical safety assessment

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Section 16: OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

Full text of H-Statements referred to under sections 2 and 3

P264 - Wash thoroughly after handling

P262 - Do not get in eyes, on skin, or on clothing

P270 - Do not eat, drink or smoke when using this product

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P281 - Use personal protective equipment as required

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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Reason for Revision	Update to GHS format, Updated company LOGO and address.
Recommendations on Use	Restricted to professional users.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 and EC No 1272/2008 (CLP)

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End of Safety Data Sheet