BarthHaas®

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Natural Additions

Safety Data Sheet

Natural Additions are not classified as dangerous products according to European Union legislation, and they are used as flavourings for food, for example in the brewing of beer. However, this safety data sheet is provided voluntarily according (as appropriate) to the principles of the Classification, Labelling and Packaging Regulations (Regulation (EC) No. 1272/2008).

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier:	**Natural Additions**
1.2 Synonyms:	This SDS is applicable to Natural Additions 'Coconut', 'Coriander', 'Honey', 'Smoke', 'Tangerine', Bergamot and 'Tropical'
1.3 Relevant Uses:	To be used as a flavouring for foods and beverages. Not for direct consumption as an undiluted product.
1.4 Supplier:	**BarthHaas / BarthHaas UK**
1.5 Emergency Contact Details:	Hop Pocket Lane, Paddock Wood, Kent, TN12 6DQ, UK Emergency phone: +44 1892 833 415 (09:00 – 17:30 Mon-Thurs; 09:00 – 16:30 Fri, UK time) Email: enquiries@barthhaas.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification Not classified (Regulation (EC) No 1272/2008)

2.2 Label Elements: N/A (not classified)

2.3 Other Hazards: None

3. COMPONENTS/INFORMATION ON INGREDIENTS

Component	Concentration of the component	CAS no.	EINECS no.	Hazard classification of the individual component
Propylene glycol (propan-1,2-diol)	59-95 % w/w	57-55-6	200-338-0	Propylene glycol has a workplace exposure limit assigned. It is non-hazardous when used as directed. Propylene glycol is registered as a food additive in the European Union as E 1520.

4. FIRST AID MEASURES

4.1 Description of First Aid Methods:

Inhalation: Move the exposed person to fresh air at once. If not breathing give artificial respiration. Obtain medical attention if discomfort continues

Skin contact: Wash skin thoroughly with soap and water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.

Oral Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly provided person is conscious. Consult a physician.

4.2 Most Important Symptoms and Effects: See labelling (Section 2.2) and Section 11.

4.3 Indications of Immediate Medical Attention or Special Treatment: No Data available

5. FIRE AID MEASURES

5.1 Extinguishing media: Carbon dioxide, water spray, dry powder and alcohol-resistant foam. Do not use full water jet.

5.2 Special Hazards Arising from Substance: Will give rise to toxic fumes in fire.

5.3 Advice for Firefighters: Firefighters should wear self-contained positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Protection: Wear appropriate protective clothing – see Section 8.

6.2 Environmental Precautions:	Do not discharge onto the ground or into watercourses.
6.3 Methods for Cleaning Up:	Contain spillage using earth, sand or other inert material. Transfer to suitable sealed container prior to disposal. Wash spillage site with water. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	Avoid spilling, skin and eye contact P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
7.2 Conditions for Safe Storage:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P403 + P235: Store in a well-ventilated place. Keep cool. suitable storage is high-grade stainless steel, glass, aluminium or lacquered steel drums
.7.3 Specific End Uses:	The substance is manufactured from food ingredients and it is for use as a processing aid during the manufacture of foodstuffs. It is therefore not subject to registration via REACH (Regulation (EC) No. 1907/2006) for such uses. It should be used in accordance with applicable food legislation

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

Components of the preparation for which there are workplace exposure limits:
Propylene glycol: UK: long term exposure limit, measured as 8-hour time weighted average (TWA) (refs.1.3): 150 ppm (474 mg/m^3) for total vapour and particulates; 10 mg/m^3 for particulates.
Propylene glycol is present at 59- 95 % w/w (see Section 3)

8.2 Exposure Controls

Engineering Controls:	Provide adequate ventilation. Observe the workplace exposure limits and minimize the risk of inhalation of vapours
Eye/Face Protection:	If in danger of splashing, wear chemical goggles
Hand Protection:	Suitable protective gloves if risk of skin contact.
Skin Protection:	If danger of splashing wear PVC or rubber apron.
Respiratory Protection:	Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid, transparent to pale yellow
Odour:	Pink grapefruit with associated citrus fruit acidity
Odour Threshold:	No data available.
pH:	No data available.
Freezing Point:	No data available.
Boiling Point:	No data available. Data for propylene glycol: >150 °C (302 °F)
Flash Point:	47 °C
Evaporation Rate:	No data available.
Flammability:	Flammable liquid (Category 3)
Upper/Lower Flammability:	No data available.
Vapour Pressure:	No data available. Data for propylene glycol: <10 mbar at 20 °C
Vapour Density:	No data available.
Density (kg/m³)	1.010-1.026 kg.m 3
Solubility in Water:	Miscible
Partition Coefficient:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity at 20 °C:	No data available
Explosive properties:	No data available. Data for propylene glycol: Heat or flame may cause explosions.
Oxidising properties:	No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No reactivity hazards known.
10.2 Chemical Stability:	Stable if stored according to Section 7.2 and 10.5.
10.3 Possibility of Hazardous Reactions:	None known.
10.4 Conditions to Avoid:	Heat, hot surfaces, sparks, open flames and other ignition sources
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Fire creates carbon monoxide (CO) and carbon dioxide (CO_2).

11. TOXICOLOGICAL INFORMATION

11. Acute Toxicity:	Not known. The Product contains propylene glycol at 59 – 95 % w/w as indicated in Section 3. Propylene glycol is registered as a food additive in the EU as E 1520. Toxicological data for propylene glycol: LD_{50} oral rat, mouse 22, 22 g kg^{-1}, respectively (1) Propylene glycol may cause local irritation of skin and mucuous memebranes (1). Spray and vapour in the eyes may cause irritation and smarting (2).
11.2 Skin Corrosion/Irritation:	No data available. Contains components that are classified as causing skin irritation – see Section 3.
11.3 Serious Eye Damage/Irritation:	No data available. Contains components that are classified as causing skin irritation – see Section 3.
11.4 Respiratory or Skin Sensitisation:	No data available. Contains components that are classified as causing skin irritation – see Section 3.
11.5 Germ Cell Mutagenicity:	No data available
11.6 Carcinogenicity:	No data available
11.7 Reproductive Toxicity:	No data available
11.8 STOT-Single Exposure:	No data available
11.9 STOT-Repeated Exposure:	No data available
11.10 Aspiration Hazard:	No data available. Contains components that are classified as causing skin irritation – see Section 3.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available. Contains components classified as Chronic Aquatic Category 2 (see Section 3). The concentration of this component indicates a classification of Chronic Aquatic Category 3 for the mixture.
12.2 Persistence and Degradability:	No data available. Propylene glycol is biodegradable.
12.3 Bioaccumulative Potential:	No data available. The bioconcentration of propylene glycol has been estimated as <1 (1).
12.4 Mobility in Soil:	No data available. Miscible with water.
12.5 Results of PBT And vPvB Assessment:	No data available
12.6 Other Adverse Effects:	No data available

13. DISPOSAL CONSIDERATIONS

Product disposal:	Dispose in accordance with all applicable local and national regulations.
Container disposal:	Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

14. TRANSPORT INFORMATION

UN-Number:	1197
Class:	3
Shipping name:	**Extracts, flavouring, liquid**
Packing group:	**III**
Marine pollutant:	No data available

15. REGULATORY INFORMATION

15.1 Safety, Health, and EvironmentalRegulations:	Not classified (Regulation (EC) No. 1272/2008) The substance is a food ingredient and its therefore not subject to registration via REACH (Regulation (EC) No. 1907/2006).
15.2 Chemical Safety Assessment:	No data available

16. OTHER INFORMATIONS

The information in this safety data sheet is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on our present knowledge and should be used only as a supplement to information already in your possession concerning this product. It does not represent any guarantee of the properties of the product. The determination of whether and under what condition the product should be used is yours to make. We do not accept any liability for loss, injury or damage that may result from its use.

References: (1) Dictionary of Substances and their Effects (DOSE), 3rd Electronic Edition, 2005 (Royal Society of Chemistry/.Knovel Corp.) (2) Supplier SDS for propylene glycol. (3) EH40/2005 Workplace Exposure Limits, Health and Safety Executive, 2nd Edition 2011.