

Lipohop® C Plus

Lipohop® C Plus is not classified as a dangerous product according to European Union legislation, and it is used as a flavouring 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).

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier	Lipohop® C Plus
1.2 Synonyms	N/A
1.3 Relevant Uses	Food use: for use as a processing aid to control foaming during fermentation for the production of beverages
1.4 Supplier	BarthHaas / BarthHaas UK
1.5 Emergency Contact Details	BarthHaas / BarthHaas UK 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. HAZARD IDENTIFICATION

- 2.1 Classification** Classification according to Regulation (EC) No 1272/2008):
Not classified
Classification according to EU Dangerous Substances Directive (67/548/EEC):
Not classified
- 2.2 Label Elements** N/A (not classified)
- 2.3 Other Hazards** None

3. COMPONENTS/INFORMATION ON INGREDIENTS

Components: Water, hop extract fraction, food-grade natural emulsifier

4. FIRST AID MEASURES

4.1 Description of First

Aid Methods:

- N/A
- **Inhalation** - Wash skin thoroughly with soap and water
- **Skin Contact** - Flood the eye with plenty of water. If any symptoms persist obtain medical attention.
- **Eye Contact** - Wash mouth out with water provided person is conscious. Consult a physician.
- **Oral Ingestion** -

4.2 Most important symptoms and Effects

The product is an aqueous emulsion of a fractionated hop extract and a food grade emulsifier. Hop extracts are used as ingredients in brewing and are not considered to be hazardous. However, ingestion of the product may cause irritation of the mouth, throat and digestive tract. May be a mild irritant to skin and eyes.

4.3 Indications of Immediate Medical

None known



5 FIRE AID MEASURES

- 5.1 Extinguishing Media** Carbon dioxide, dry powder, foam.
- 5.2 Special Hazards** No known unusual fire or explosion hazards.
Arising from Substance
- 5.3 Advice for Firefighters** Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Protection** Wear appropriate protective clothing – see Section 8.
- 6.2 Environmental** Do not discharge onto the ground or into watercourses.
Precautions
- 6.3 Methods for Cleaning** Contain spillage using earth, sand or other inert material.
Up Transfer to suitable sealed container prior to disposal.

7. HANDLING AND STORAGE

- 7.1 Precautions for Safe** Use appropriate protective clothing as indicated in Section 8. Wash hands after use.
Handling
- 7.2 Conditions for Safe** Store unopened containers at room temperature. Do not allow to freeze. Once
Storage opened in a cool place and use within 2 days.
- 7.3 Specific End Uses** The substance is manufactured for use as a food ingredient and for such uses is not subject to registration via REACH (Regulation (EC) No.1907/2006). It should be used in accordance with applicable food legislation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters Not applicable.

8.2 Exposure Controls:

- **Engineering Controls** - Not required.
- **Eye/Face Protection** - Safety glasses if danger of splashing.
- **Hand Protection** - PVC, rubber or nitrile gloves if danger of splashing.
- **Skin Protection** - Not normally required.
- **Respiratory Protection** - Not required.



9. PHYSICAL AND CHEMICAL PROPERTIES

a) Physical state	Creamy emulsion
b) Color	Pale yellow
c) Odor	Slight odor of hops
d) Melting point/Freezing point	Not practical to measure
e) Boiling point	Not practical to measure
f) Flammability	Not practical to measure
g) Lower and upper explosion limit	Not practical to measure
h) Flash point	Not practical to measure
i) Auto-ignition temperature	Not practical to measure
j) Decomposition temperature	Not practical to measure
k) pH	Not practical to measure
l) Kinematic viscosity	Not practical to measure
m) Solubility	Not practical to measure
n) Partition coefficient n-octanol/water (log value)	Not practical to measure
o) Vapor pressure	Not practical to measure

- p) Density [kg/m³]** Not practical to measure
- q) Relative vapor density** Not practical to measure
- r) Particle characteristics** Not practical to measure

10. STABILITY AND REACTIVITY

- 10.1 Reactivity** No reactivity hazards known.
- 10.2 Chemical Stability** Stable if stored according to Section 7.2
- 10.3 Possibility of Hazardous Reaction** None known
- 10.4 Conditions to Avoid** Avoid freezing. If the product does freeze, it can be re-dispersed by shaking or stirring once thawed.
- 10.5 Incompatible Materials** Alkalis and mineral acids
- 10.6 Hazardous Decomposition Products** None known



11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity No data available

11.2 Skin No data available

Corrosion/Irritation

11.3 Serious Eye No data available

Damage/Irritation

11.4 Respiratory or Skin No data available

Sensitization

11.5 Germ Cell No data available

Mutagenicity

11.6 Carcinogenicity No data available

11.7 Reproductive Toxicity No data available

11.8 STOT- Single No data available

Exposure

11.9 STOT-Repeated No data available

Exposure

11.10 Aspiration Hazard No data available



12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity No data available

12.2 Persistence and Degradability No data available

12.3 Bioaccumulative Potential No data available

12.4 Mobility in Soil No data available

12.5 Results of PBT Exposure: No data available

12.6 Other Adverse Effects Exposure No data available



13. DISPOSAL CONSIDERATIONS

- 13.1 Product Disposal** Dispose in accordance with all applicable local and national regulations.
- 13.2 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

- 14.1 UN-Number** Non-hazardous for transport
- 14.2 Shipping Name** Non-hazardous for transport
- 14.3 Transport Hazard Class** N/A
- 14.4 Packing Group** Non-hazardous for transport
- 14.5 Marine Pollutant** No data available

15. REGULATORY INFORMATION

- 15.1 Safety, Health, and Environmental Regulations** Not classified (Regulation (EC) No. 1272/2008)
Not classified (Directive 67/548/EEC) The substance is made from food ingredients and for use in the manufacture of foodstuffs and is therefore not subject to registration via REACH (Regulation (EC) No. 1907/2006).
- 15.2 Chemical Safety Assessments** No data available

16. OTHER INFORMATION

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.