



CPC Ingredients Limited

Safety Data sheet

Product: Liquid Natural Chocolate Extract

01 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

| | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME | Liquid Natural Chocolate Extract |
| SUPPLIER | CPC Ingredients Limited 23, Glendon Way, Dorridge, Solihull, B93 8SY, United Kingdom. Telephone: + 44 (0)1564 775747 Fax: + 44 (0)8707 626170 Emergency Telephone: 07973 122578 |

02 - COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|----------------------------------------------|------------------------------------------------|
| | The product is a theobromin derivative. |
| CHEMICAL NAME OF THE SUBSTANCE | _Theobromine |
| Synonyms | _Methylxanthines (Class of Alkaloid molecules) |
| Molecular Formula - CAS - Chemical Structure | _ 3,7-dihydro-3,7-dimethyl-1H-purine-2,6-dione |

03 - HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS

SAFETY INFORMATION: PLEASE READ THIS SHEET CAREFULLY

| | |
|-------------------------------|-----------------------------------------------------------------------------------|
| HEALTH EFFECTS | No specific information is available regarding the toxic effects in human beings. |
| PHYSICAL AND CHEMICAL HAZARDS | Nil |
| SPECIFIC HAZARDS / EC | Nil |

04 - FIRST AID MEASURES

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL ADVICE | In case of accident or if you feel unwell seek medical advice immediately. Show label where possible. |
| INHALATION | Remove to fresh air. If breathing becomes difficult call a physician |
| SKIN CONTACT | Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. |
| EYE CONTACT | Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician |
| INGESTION | If swallowed wash out mouth with water provided person is conscious. Call a physician. |
| PROTECTION OF FIRST-AIDERS | Wear suitable protective clothing where required. |

05 – FIRE FIGHTING MEASURES

| | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| EXTINGUISHING MEDIA WHICH ARE NOT SUITABLE | Not applicable |
| EXTINGUISHING MEDIA | Water spray, Carbon dioxide, Dry chemical powder, Appropriate foam |
| SPECIFIC HAZARDS | Nil |
| UNUSUAL FIRE AND EXPLOSIONS HAZARDS | None |
| SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

06 – ACCIDENTAL RELEASE MEASURE

| | |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| PERSONAL PROTECTION | Wear self-contained breathing apparatus, rubber boots and rubber gloves. |
| ENVIRONMENTAL PROTECTION METHODS FOR CLEANING UP | Pick up-keep in a closed container and hold for waste Sweep up place in a bag and hold waste for disposal |

07 - HANDLING AND STORAGE

| | |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|
| HANDLING | REFER TO SECTION 8. |
| Technical measures/Precautions | Nil |
| Technical measures/Storage conditions | Keep containers tightly closed in a cool, dry & well-ventilated place. Store in closed containers. |
| Incompatible products | Moisture |

08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|-------------------------------|-----------------------------------------------------------------|
| PERSONAL PROTECTION EQUIPMENT | |
| Hand protection | Gloves |
| Eye protection | Avoid contact with eyes. Safety glasses/goggles |
| Skin and body protection | Avoid contact with skin and clothing. Use Protective clothing - |

09 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|---------------------------|
| PHYSICAL STATE (20°C) | liquid (concentrate) |
| COLOUR | brown |
| ODOUR | intense chocolate flavour |
| BOILING POINT/RANGE | Not applicable |
| MELTING POINT/RANGE | Not applicable |
| SOLUBILITY | - |
| FLASHPOINT | - |
| SPECIFIC GRAVITY | 1.2 – 1.4 g/ml |

10 - STABILITY AND REACTIVITY

| | |
|------------------------------------|----------------------------|
| STABILITY | Stable |
| INCOMPATIBILITIES | - |
| CONDITIONS TO AVOID | Store in closed containers |
| MATERIALS TO AVOID | Not applicable |
| HAZARDOUS DECOMPOSITION PRODUCTS – | |

11 - TOXICOLOGICAL INFORMATION

Theobromine affects humans similarly to caffeine, but on a much smaller scale. Theobromine is mildly diuretic (increases urine production), is a mild stimulant, and relaxes the smooth muscles of the bronchi in the lungs. In the human body, theobromine levels are halved between 6-10 hours after consumption.

ACUTE TOXICITY

Inhalation
Ingestion
Skin-contact
Eye-contact

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Not available
Not available
Not available
Not available
Not available
Not available

CHRONIC TOXICITY

SPECIFIC EFFECTS

12 - ECOLOGICAL INFORMATION

DATA

Not available

13 - DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT

Dissolve or mix the material with a combustible solvent kind burn in a chemical incinerator equipped with an afterburner and scrubber

DISPOSAL OF PACKAGING

Clean container with water. Recover wastewater for treatment later.

14 - TRANSPORT INFORMATION

ATA

Non Hazardous

15 - REGULATORY INFORMATION

RECOMMENDED USES

Raw material for chemicals

16 - OTHER INFORMATION

Users are warned that using the product to other ends than those it was designed for may imply unpredictable hazards, for which the manufacturer cannot accept any responsibility.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. However the revision of some data is in progress.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.