

SAFETY DATA SHEET

ASCORBIC ACID

masa100

1. Identification of the substance/preparation and of the company/undertaking

Product name : ASCORBIC ACID **Supplier** : Brenntag UK and Ireland
 Albion House
 Rawdon Park
 Green Lane
 Yeadon
 Leeds
 LS19 7XX

Chemical product name : L-ASCORBIC ACID
Synonyms : VITAMIN C

EMERGENCY ONLY TELEPHONE NUMBER : (N.C.E.C. CULHAM) 01865 407333 **Telephone No.** : (0113) 3879200
Fax No. : (0113) 3879280

Formula : C₆H₈O₆ **Molecular Mass** : 176

2. Composition/information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) L-ASCORBIC ACID	50-81-7	100	200-066-2	-	-

* Occupational Exposure Limit(s), if available, are listed in Section 8

Composition : CONTAINS 99% (MIN) OF ASCORBIC ACID.
 SPECIFICATION WILL BE GIVEN ON REQUEST

CAS No. : 50-81-7

EINECS Number : 200-066-2

3. Hazards identification

Human health hazards : Not classified as hazardous.

4. First-aid measures

First-Aid measures

Inhalation : Remove from exposure. Obtain medical attention urgently.

Ingestion : Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention.

Skin contact : Wash skin with water. Obtain medical attention if blistering occurs or redness persists.

Eye Contact : Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Effects and symptoms

Inhalation : Exposure to dust may have the following effects:- irritation of nose, throat and respiratory tract. coughing. dizziness. nausea.

Ingestion : A large dose may have the following effects:- nausea. vomiting. diarrhoea. drowsiness.

Skin contact : Material may cause slight irritation on prolonged or repeated contact.

Eye Contact : Dust may cause slight transient irritation.

5. Fire-fighting measures

Extinguishing Media

Suitable : Select extinguishing agent appropriate to other materials involved.

Unusual fire/explosion Hazards : Hazardous Combustion Products : CARBON OXIDES
 This product may give rise to hazardous fumes in a fire.
 Dust may form explosive mixture with air.

Hazardous thermal (de)composition products : Combustion will generate: oxides of carbon.

Special fire-fighting procedures : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

6. Accidental release measures

- Personal Precautions** : Wear appropriate protective clothing. Wear respiratory protection.
- Environmental precautions and cleanup methods** : Sweep up into suitable containers for recovery or disposal.
- : Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

7. Handling and storage

- Handling** : Use in well ventilated area. Avoid inhaling dust. Avoid contact with eyes, skin and clothing.
- Storage** : Storage area should be: cool. dry. well ventilated.
The product is stored in multi-ply polyethylene paper sacks or polyethylene lined drums.
Store away from sources of heat or ignition.
Avoid storing sacks in a large stack to prevent the product from caking.
Protect food grade material from contamination.
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Workplace Exposure Limits** : Not available.
- Personal protective equipment**
- Respiratory system** : Dust respirator if conditions are dusty.
- Skin and body** : Wear: dust-proof overall with hood. rubber boots.
- Hands** : PVC or rubber gloves.
- Eyes** : Chemical goggles.

9. Physical and chemical properties

- Physical state** : Solid. Crystals.
- Colour** : White/yellow
- Odour** : Slight odour
- Boiling point** : Decomposes
- Melting point** : 192
- Density** : 1.65 g/cm³
- Solubility** : 300g/100g H₂O at 20°C.
- Octanol/water partition coefficient** : The product is more soluble in water; log(oil/water) = -2.1
- pH** : 2 [Acidic.] (5% conc. solution)
- Flash point** : Not available.

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Exposure to water or moisture. Keep away from heat.
- Materials to avoid** : Strong oxidising substances, atmospheric oxygen, strong bases, metals, metal salts.
- Hazardous decomposition products** : Combustion will generate: oxides of carbon.

11. Toxicological information

- Local effects**
- Skin irritation** : May cause severe irritation, particularly in conjunction with humidity (perspiration).
- Eye irritation** : May cause severe irritation to eyes.
- Acute toxicity** : Acute oral toxicity (LD50): 11900 mg/kg [Rat].
Acute oral toxicity (LD50): 8000 mg/kg [Mouse].

12. Ecological information

- Persistence/degradability** : **Biodegradability:**
Readily biodegradable.
- Ecotoxicity** : Ecotoxicity in water:
(LC50): 1020 mg/l, 96 hours [Fish].

13. Disposal considerations

- Methods of disposal ; Waste of residues ; Contaminated packaging** : Dispose of in accordance with all applicable local and national regulations.
- Waste Classification** : Not applicable.

14. Transport information

International transport regulations

UN : **UN number** Non hazardous for transport.

15. Regulatory information

EU Regulations

- Risk Phrases** : This product is not classified according to the EU regulations.
- Product Use** : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications.

16. Other information

HISTORY

- Date of printing** : 07/05/2009.
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- Version** : 1.01
- Prepared by** : Michael Hale / Alistair Hunter

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 1.01

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