

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name: Ascorbic Acid 3%

Product number: 600920

CAS No.: 50-81-7

EINECS: 200-066-2

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

Application of the substance / the mixture: Laboratory, Research or Fabricage.

1.3 Details of the supplier of the safety data sheet:

Downstream user

Identipack B.V.

Tel: (+31) (0)493—672277

Broekstraat 4

Fax: (+31) (0)493—672268

5711 CT Someren

E-mail: info@identipack.com

NETHERLANDS

1.4 Emergency telephone number:

UK Tel: +44 151 951 3317 - Health and Safety Executive (HSE) Chemicals Regulation Directorate (24/7)

Ireland Tel: +353 1 809 2566 - Beaumont Hospital - National Poisons Information Centre (24/7)

(EU Tel: 112)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) nr. 1272/2008:

Not classified as a hazardous substance.

2.2 Label elements:

Labelling according to Regulation (EC) nr. 1272/2008:

Not classified as a hazardous substance.

Hazard pictograms:

Not applicable.

Signal word:

Not applicable.

Hazard determining components of labelling:

Not applicable.

Hazard statements:

Not applicable.

Precautionary statements:

Not applicable.

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture made by the following components with other non-hazardous components.

Hazardous components:

CAS No.: -

EINECS No.: -

Index No.: -

Additional details:

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information: Remove contaminated clothing and protect yourself.

After inhalation: Move the victim to fresh air as quickly as possible.

After skin contact: Thoroughly clean the affected skin with soap under running water.

After eye contact: Rinse the affected eye with wide-open eyelids for 10 minutes under running water.

Protect the unaffected eye during this process.

After ingestion: Have the victim rinse their mouth and spit out the liquid. Then have the victim immediately drink a glass of water in small sips.

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

None.

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

Consult a doctor or poison center (see page 1).

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Take normal precautions. Extinguish from a reasonable distance.

5.2 Special hazards arising from the substance or mixture:

In case of fire, carbon monoxide and carbon dioxide may be released.

5.3 Advice for firefighters:

Substance is non-flammable. Adjust extinguishing measures to the circumstances.

Protective equipment:

Wear self-contained breathing apparatus and special tightly sealed suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Shut off sources of ignition. Evacuate area. Warn affected surroundings. Wear protective equipment (see Section 8).

6.2 Environmental precautions:

Low hazard to waters. Prevent leaking in water, drainage, sewer or the ground.

Inform the responsible authorities when large quantities get into water, drainage, sewer, or the ground.

6.3 Methods and material for containment and cleaning up:

Take up with an absorbent and dispose of according to regulations. Afterwards ventilate area and wash spill site.

6.4 Reference to other sections:

Fire extinguishing measures, see Section 5. Personal protective equipment, see Section 8.

Incompatible materials, see Section 10. Disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Handle an open container with care. Avoid any contact when handling the substance.

Do not transport together with incompatible substances. Eye bath required.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Keep container tightly closed. Store in a cool, dry and well-ventilated place. Preferably use unbreakable containers.

Information about storage in one common storage facility: Do not store with medicines, food, strong oxidizing substances, and radioactive or explosive materials.

Incompatible products: Copper, aluminum, and zinc.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

50-81-7 Ascorbic Acid 3%

Additional information: No further relevant information available.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from foods, beverages and other articles of consumption. Wash hands with soap and water before breaks and at the end of work. Avoid contact with skin. Avoid contact with eyes. Avoid inhalation of vapour or mist.
Avoid contact with clothing.

Respiratory protection:

Wear a respiratory protective device (special filter P1, color code white) in case of emergency.
Always avoid breathing directly above the bottle or container.

Protection of hands:

Match hand protection to other substances in use.

Material of gloves:

See above.

Permeation time of glove material:

See above.

Eye/face protection:

Wear chemical safety goggles.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:

| | |
|-------------------------|--------------------------|
| Physical state: | Liquid |
| Colour: | White to yellowish |
| Odour: | Odourless |
| Odour threshold: | Not determined |
| pH: | No information available |

Change in condition:

| | |
|---|-----------------------|
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | Not determined |
| Flash point: | Not determined |
| Flammability (solid, gas): | Not relevant (liquid) |
| Ignition temperature: | |
| Decomposition temperature: | No data available |
| Auto-ignition temperature: | No data available |
| Explosive properties: | No data available |
| Explosion limits: | No data available |
| Lower: | |
| Upper: | |

| | |
|---|-------------------------|
| Vapour pressure at 20 degrees Celsius: | No data available |
| Density at 20 degrees Celsius: | No data available |
| Relative density: | No data available |
| Evaporation rate: | No data available |
| Solubility in / Miscibility with: | |
| Water: | Freely soluble in water |
| Partition coefficient (n-octanol/water): | No data available |
| Viscosity: | No data available |

9.2 Other information: No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity: -

10.2 Chemical stability:

Thermal decomposition / conditions to avoid: The mixture is stable under normal environmental and properly stored temperature and pressure conditions.

10.3 Possibility of hazardous reactions: In contact with copper, aluminum, and zinc.

10.4 Conditions to avoid: Keep away from substances with which the mixture reacts dangerously.

10.5 Incompatible materials: See 10.3

10.6 Hazardous decomposition products: See 5.2

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Primary irritant effect:

Skin corrosion/irritation: Will not be classified as corrosive to the skin.

Serious eye damage/irritation: Will not be classified as harmful to the eyes.

Respiratory or skin sensitisation: Shall not be classified as a respiratory or skin sensitizing substance.

Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.

Carcinogenicity: Shall not be classified as carcinogenic.

Reproductive toxicity: Shall not be classified as reproductive toxic.

STOT single exposure: Shall not be classified as STOT from single exposure.

STOT repeated exposure: Shall not be classified as STOT from repeated exposure.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity: Low hazard to waters. Prevent penetration into water, drainage, sewer or the ground.
Inform the responsible authorities about penetration of larger quantities.

12.2 Persistence and degradability: Insufficient data available.

12.3 Bioaccumulative potential: Insufficient data available.

12.4 Mobility in soil:

Ecotoxic effects:

General notes:

WGK Class 1 - Low hazard to waters.

12.5 Results of PBT/vPvB assessment:

PBT: No further relevant information available.

vPvB: No further relevant information available.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation:

Not hazardous waste according to the Waste Catalog Ordinance (AVV).

If there is no way to recycle it, it should be disposed of in accordance with national and local regulations.

For recycling or safe waste disposal, contact a specialized waste disposal company.

Uncleaned packaging:

Uncleaned containers should be treated as waste, like mentioned above.

SECTION 14: Transport information

14.1 UN number:

No transport regulations applicable.

14.2 UN proper shipping name:

No transport regulations applicable.

14.3 Transport hazard class:

No transport regulations applicable.

14.4 Packing group:

No transport regulations applicable.

14.5 Environmental hazards:

No transport regulations applicable.

14.6 Special precautions for user:

No transport regulations applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

No transport regulations applicable.

14.8 Transport/additional information:

No transport regulations applicable.

SECTION 15: Regulatory information

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

General details:

German Water Hazard Class (WGK): WGK Class 1 - Low hazard to waters.

EU Regulation (EG) nr. 1272/2008 (CLP) - Annex I

EU Regulation (EG) nr. 1907/2006 (REACH) - Annex XVII

EU Regulation (EU) nr. 453/2010 (REACH)

15.2 Chemical safety assessment: No data available.

SECTION 16: Other information

This Safety Data Sheet (SDS) has been written in accordance with EU legislation.

The information in this SDS is based on our present knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should always consult the most recent version of relevant regulations and any applicable local laws and regulations.

Relevant phrases:

-

Abbreviations and acronyms:

| | |
|---------|---|
| ADR: | Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society) |
| EINECS: | European Inventory of Existing Commercial Chemical Substances |
| GHS: | Globally Harmonized System of Classification and Labelling of Chemicals |
| PBT: | Persistent, Bioaccumulative and Toxic |
| vPvB: | very Persistent and very Bioaccumulative |
| STOT: | Specific Target Organ Toxicity |
| WGK: | Wassergefährdungsklasse (German: Water Hazard Class) |

Sources:

Regulation (EC) nr. 1907/2006 of the European Parliament and of the Council of 18 December 2006, REACH

Regulation (EC) nr. 1272/2008 of the European Parliament and of the Council of 16 December 2008, CLP

GESTIS Substance Database

Globally Harmonized System, GHS

ADR2017